

Disclosure of movement of 1% or more in substantial holding
or change in nature of relevant interest, or both

Sections 277 and 278, Financial Markets Conduct Act 2013

To NZX Limited
and
To PUSHPAY HOLDINGS LTD (PPH)

Relevant event being disclosed: movement of 1% or more in the substantial holding

Date of relevant event: 09 May, 2019

Date this disclosure made: 14 May, 2019

Date last disclosure made: 04 December, 2018

Substantial product holder(s) giving disclosure

Full name(s): Morgan Stanley and its Subsidiaries listed in Annexure A

Summary of substantial holding

Class of quoted voting products: Ordinary Shares

Summary for Morgan Stanley and its Subsidiaries listed in Annexure A

For **this** disclosure,—

- (a) total number held in class: 16,108,522
- (b) total in class: 275,261,739
- (c) total percentage held in class: 5.852%

For **last** disclosure,—

- (a) total number held in class: 19,661,692
- (b) total in class: 274,721,167
- (c) total percentage held in class: 7.157%

Details of transactions and events giving rise to relevant event

Details of the transactions or other events requiring disclosure: set out in the table below

Date of Transaction	Holder of Relevant Interest	Transaction Nature	Consideration	Class and number of securities
11/30/2018	Morgan Stanley & Co. International plc	Buy	10,325.70	3,129 Ordinary Shares
11/30/2018	Morgan Stanley & Co. International plc	Buy	2,182,180.00	650,000 Ordinary Shares
11/30/2018	Morgan Stanley & Co. International plc	Buy	283,245.60	85,832 Ordinary Shares
11/30/2018	Morgan Stanley & Co. International plc	Buy	329,574.30	99,871 Ordinary Shares
11/30/2018	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	22,742 Ordinary Shares
11/30/2018	Morgan Stanley & Co. International plc	Sell	283,245.60	85,832 Ordinary Shares
11/30/2018	Morgan Stanley & Co. International plc	Sell	30,457.02	9,063 Ordinary Shares
11/30/2018	Morgan Stanley & Co. International plc	Sell	329,574.30	99,871 Ordinary Shares
11/30/2018	Morgan Stanley & Co. International plc	Sell	398,203.01	119,781 Ordinary Shares
11/30/2018	Morgan Stanley & Co. International plc	Sell	9,936.35	2,959 Ordinary Shares
11/30/2018	Morgan Stanley Australia Securities Limited	Buy	18.54 (AUD)	6 Ordinary Shares
11/30/2018	Morgan Stanley Australia Securities Limited	Buy	305.91 (AUD)	99 Ordinary Shares
11/30/2018	Morgan Stanley Australia Securities Limited	Buy	34.32 (AUD)	11 Ordinary Shares
11/30/2018	Morgan Stanley Australia Securities Limited	Buy	4,625.73 (AUD)	1,497 Ordinary Shares
11/30/2018	Morgan Stanley Australia Securities Limited	Sell	346.62 (AUD)	109 Ordinary Shares
11/30/2018	Morgan Stanley Capital Services LLC	Buy	N/A	109 Swaps
11/30/2018	Morgan Stanley Capital Services LLC	Sell	N/A	99 Swaps
12/03/2018	Morgan Stanley & Co. International plc	Buy	1,667,500.00	500,000 Ordinary Shares
12/03/2018	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	14,597 Ordinary Shares
12/03/2018	Morgan Stanley & Co. International plc	Sell	8,376.76	2,518 Ordinary Shares
12/03/2018	Morgan Stanley Australia Securities Limited	Sell	1,579.42 (AUD)	503 Ordinary Shares
12/03/2018	Morgan Stanley Capital Services LLC	Buy	N/A	503 Swaps
12/04/2018	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	7,946 Ordinary Shares
12/04/2018	Morgan Stanley & Co. International plc	Sell	2,137.30	638 Ordinary Shares
12/04/2018	Morgan Stanley Australia Securities Limited	Buy	205.08 (AUD)	65 Ordinary Shares
12/04/2018	Morgan Stanley Australia Securities Limited	Buy	21.98 (AUD)	7 Ordinary Shares
12/04/2018	Morgan Stanley Australia Securities Limited	Buy	226.80 (AUD)	72 Ordinary Shares
12/04/2018	Morgan Stanley Australia Securities Limited	Buy	472.50 (AUD)	150 Ordinary Shares
12/04/2018	Morgan Stanley Australia Securities Limited	Buy	577.76 (AUD)	184 Ordinary Shares
12/04/2018	Morgan Stanley Capital Services LLC	Sell	N/A	334 Swaps
12/05/2018	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	24,006 Ordinary Shares
12/05/2018	Morgan Stanley & Co. International plc	Sell	4,243.85	1,303 Ordinary Shares
12/05/2018	Morgan Stanley Australia Securities Limited	Buy	1,446.15 (AUD)	465 Ordinary Shares
12/05/2018	Morgan Stanley Australia Securities Limited	Buy	18.66 (AUD)	6 Ordinary Shares
12/05/2018	Morgan Stanley Australia Securities Limited	Buy	3,365.02 (AUD)	1,082 Ordinary Shares
12/05/2018	Morgan Stanley Australia Securities Limited	Sell	114.70 (AUD)	37 Ordinary Shares
12/05/2018	Morgan Stanley Australia Securities Limited	Sell	12.34 (AUD)	4 Ordinary Shares
12/05/2018	Morgan Stanley Australia Securities Limited	Sell	46.80 (AUD)	15 Ordinary Shares

12/05/2018	Morgan Stanley Australia Securities Limited	Sell	6.21 (AUD)	2 Ordinary Shares
12/05/2018	Morgan Stanley Australia Securities Limited	Sell	6.22 (AUD)	2 Ordinary Shares
12/05/2018	Morgan Stanley Capital Services LLC	Sell	N/A	471 Swaps
12/06/2018	Morgan Stanley & Co. International plc	Buy	19,032.50	5,770 Ordinary Shares
12/06/2018	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	11,446 Ordinary Shares
12/06/2018	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	2,537 Ordinary Shares
12/06/2018	Morgan Stanley & Co. International plc	Sell	2,013.00	610 Ordinary Shares
12/06/2018	Morgan Stanley & Co. International plc	Sell	N/A	5,770 Swaps
12/06/2018	Morgan Stanley Australia Securities Limited	Buy	3,818.60 (AUD)	1,220 Ordinary Shares
12/06/2018	Morgan Stanley Australia Securities Limited	Buy	65.52 (AUD)	21 Ordinary Shares
12/06/2018	Morgan Stanley Australia Securities Limited	Sell	1,943.76 (AUD)	623 Ordinary Shares
12/06/2018	Morgan Stanley Australia Securities Limited	Sell	21.91 (AUD)	7 Ordinary Shares
12/06/2018	Morgan Stanley Australia Securities Limited	Sell	416.74 (AUD)	134 Ordinary Shares
12/06/2018	Morgan Stanley Australia Securities Limited	Sell	43.68 (AUD)	14 Ordinary Shares
12/06/2018	Morgan Stanley Australia Securities Limited	Sell	49.92 (AUD)	16 Ordinary Shares
12/06/2018	Morgan Stanley Australia Securities Limited	Sell	6.22 (AUD)	2 Ordinary Shares
12/06/2018	Morgan Stanley Australia Securities Limited	Sell	87.64 (AUD)	28 Ordinary Shares
12/06/2018	Morgan Stanley Capital Services LLC	Buy	N/A	44 Swaps
12/06/2018	Morgan Stanley Capital Services LLC	Sell	N/A	21 Swaps
12/07/2018	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	2,537 Ordinary Shares
12/07/2018	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	2,450 Ordinary Shares
12/07/2018	Morgan Stanley Australia Securities Limited	Buy	3,554.73 (AUD)	1,143 Ordinary Shares
12/07/2018	Morgan Stanley Australia Securities Limited	Buy	3,803.70 (AUD)	1,227 Ordinary Shares
12/07/2018	Morgan Stanley Australia Securities Limited	Buy	43.26 (AUD)	14 Ordinary Shares
12/07/2018	Morgan Stanley Australia Securities Limited	Buy	93.30 (AUD)	30 Ordinary Shares
12/07/2018	Morgan Stanley Capital Services LLC	Sell	N/A	44 Swaps
12/07/2018	Morgan Stanley Capital Services LLC	Sell	N/A	796 Swaps
12/10/2018	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	4,916 Ordinary Shares
12/10/2018	Morgan Stanley Australia Securities Limited	Buy	686.25 (AUD)	225 Ordinary Shares
12/10/2018	Morgan Stanley Australia Securities Limited	Sell	930.16 (AUD)	302 Ordinary Shares
12/11/2018	Morgan Stanley & Co. International plc	Buy	5,416.28	1,708 Ordinary Shares
12/11/2018	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	3,809 Ordinary Shares
12/11/2018	Morgan Stanley Australia Securities Limited	Buy	1,613.92 (AUD)	524 Ordinary Shares
12/11/2018	Morgan Stanley Australia Securities Limited	Buy	2,244.80 (AUD)	736 Ordinary Shares
12/11/2018	Morgan Stanley Australia Securities Limited	Buy	48.80 (AUD)	16 Ordinary Shares
12/11/2018	Morgan Stanley Australia Securities Limited	Buy	6.18 (AUD)	2 Ordinary Shares
12/11/2018	Morgan Stanley Australia Securities Limited	Sell	253.38 (AUD)	82 Ordinary Shares
12/11/2018	Morgan Stanley Australia Securities Limited	Sell	272.34 (AUD)	89 Ordinary Shares
12/11/2018	Morgan Stanley Australia Securities Limited	Sell	48.80 (AUD)	16 Ordinary Shares
12/11/2018	Morgan Stanley Australia Securities Limited	Sell	6.18 (AUD)	2 Ordinary Shares
12/11/2018	Morgan Stanley Australia Securities Limited	Sell	748.44 (AUD)	243 Ordinary Shares

12/11/2018	Morgan Stanley Capital Services LLC	Buy	N/A	4 Swaps
12/11/2018	Morgan Stanley Capital Services LLC	Buy	N/A	430 Swaps
12/11/2018	Morgan Stanley Capital Services LLC	Sell	N/A	4 Swaps
12/12/2018	Morgan Stanley & Co. International plc	Buy	6,989.72	2,164 Ordinary Shares
12/12/2018	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	1,380 Ordinary Shares
12/12/2018	Morgan Stanley & Co. International plc	Sell	10,759.40	3,287 Ordinary Shares
12/12/2018	Morgan Stanley Australia Securities Limited	Buy	255.02 (AUD)	82 Ordinary Shares
12/12/2018	Morgan Stanley Australia Securities Limited	Buy	262.92 (AUD)	84 Ordinary Shares
12/12/2018	Morgan Stanley Australia Securities Limited	Buy	370.09 (AUD)	119 Ordinary Shares
12/12/2018	Morgan Stanley Australia Securities Limited	Buy	405.06 (AUD)	129 Ordinary Shares
12/12/2018	Morgan Stanley Australia Securities Limited	Buy	49.76 (AUD)	16 Ordinary Shares
12/12/2018	Morgan Stanley Australia Securities Limited	Sell	113.40 (AUD)	36 Ordinary Shares
12/12/2018	Morgan Stanley Australia Securities Limited	Sell	320.33 (AUD)	103 Ordinary Shares
12/12/2018	Morgan Stanley Australia Securities Limited	Sell	49.76 (AUD)	16 Ordinary Shares
12/12/2018	Morgan Stanley Capital Services LLC	Sell	N/A	430 Swaps
12/13/2018	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	14,611 Ordinary Shares
12/13/2018	Morgan Stanley & Co. International plc	Sell	1,901.25	585 Ordinary Shares
12/13/2018	Morgan Stanley Australia Securities Limited	Buy	1,168.70 (AUD)	377 Ordinary Shares
12/13/2018	Morgan Stanley Australia Securities Limited	Buy	109.20 (AUD)	35 Ordinary Shares
12/13/2018	Morgan Stanley Australia Securities Limited	Buy	199.04 (AUD)	64 Ordinary Shares
12/13/2018	Morgan Stanley Australia Securities Limited	Buy	3.10 (AUD)	1 Ordinary Share
12/13/2018	Morgan Stanley Australia Securities Limited	Buy	3.13 (AUD)	1 Ordinary Share
12/13/2018	Morgan Stanley Australia Securities Limited	Buy	53.04 (AUD)	17 Ordinary Shares
12/13/2018	Morgan Stanley Australia Securities Limited	Sell	53.38 (AUD)	17 Ordinary Shares
12/14/2018	Morgan Stanley & Co. International plc	Buy	976,440.00	300,000 Ordinary Shares
12/14/2018	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	16,938 Ordinary Shares
12/14/2018	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	139,875 Ordinary Shares
12/14/2018	Morgan Stanley Australia Securities Limited	Buy	21.70 (AUD)	7 Ordinary Shares
12/14/2018	Morgan Stanley Australia Securities Limited	Buy	4,882.20 (AUD)	1,580 Ordinary Shares
12/14/2018	Morgan Stanley Australia Securities Limited	Buy	43.26 (AUD)	14 Ordinary Shares
12/14/2018	Morgan Stanley Australia Securities Limited	Buy	6.20 (AUD)	2 Ordinary Shares
12/14/2018	Morgan Stanley Australia Securities Limited	Sell	6.20 (AUD)	2 Ordinary Shares
12/14/2018	Morgan Stanley Australia Securities Limited	Sell	759.50 (AUD)	245 Ordinary Shares
12/17/2018	Morgan Stanley & Co. International plc	Buy	43,495.99	13,460 Ordinary Shares
12/17/2018	Morgan Stanley & Co. International plc	Buy	7,912.47	2,427 Ordinary Shares
12/17/2018	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	10,023 Ordinary Shares
12/17/2018	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	582,841 Ordinary Shares
12/17/2018	Morgan Stanley Australia Securities Limited	Buy	4,507.20 (AUD)	1,440 Ordinary Shares
12/17/2018	Morgan Stanley Australia Securities Limited	Sell	282.10 (AUD)	91 Ordinary Shares
12/17/2018	Morgan Stanley Australia Securities Limited	Sell	3.05 (AUD)	1 Ordinary Share
12/17/2018	Morgan Stanley Australia Securities Limited	Sell	3.08 (AUD)	1 Ordinary Share

12/17/2018	Morgan Stanley Australia Securities Limited	Sell	3.10 (AUD)	1 Ordinary Share
12/17/2018	Morgan Stanley Australia Securities Limited	Sell	36.84 (AUD)	12 Ordinary Shares
12/17/2018	Morgan Stanley Australia Securities Limited	Sell	39.78 (AUD)	13 Ordinary Shares
12/17/2018	Morgan Stanley Australia Securities Limited	Sell	9.18 (AUD)	3 Ordinary Shares
12/18/2018	Morgan Stanley & Co. International plc	Buy	309,112.50	96,649 Ordinary Shares
12/18/2018	Morgan Stanley & Co. International plc	Buy	4,535.80	1,420 Ordinary Shares
12/18/2018	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	1,823 Ordinary Shares
12/18/2018	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	1,013,826 Ordinary Shares
12/18/2018	Morgan Stanley Australia Securities Limited	Buy	3.07 (AUD)	1 Ordinary Share
12/18/2018	Morgan Stanley Australia Securities Limited	Buy	6.08 (AUD)	2 Ordinary Shares
12/18/2018	Morgan Stanley Australia Securities Limited	Sell	1,341.59 (AUD)	437 Ordinary Shares
12/19/2018	Morgan Stanley & Co. International plc	Buy	325.00	100 Ordinary Shares
12/19/2018	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	21,733 Ordinary Shares
12/19/2018	Morgan Stanley & Co. International plc	Sell	642.00	200 Ordinary Shares
12/19/2018	Morgan Stanley & Co. LLC	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	1,736,542 Ordinary Shares
12/19/2018	Morgan Stanley Australia Securities Limited	Sell	15.50 (AUD)	5 Ordinary Shares
12/19/2018	Morgan Stanley Australia Securities Limited	Sell	201.50 (AUD)	65 Ordinary Shares
12/19/2018	Morgan Stanley Australia Securities Limited	Sell	40.95 (AUD)	13 Ordinary Shares
12/19/2018	Morgan Stanley Australia Securities Limited	Sell	756.00 (AUD)	240 Ordinary Shares
12/19/2018	Morgan Stanley Australia Securities Limited	Sell	92.70 (AUD)	30 Ordinary Shares
12/20/2018	Morgan Stanley & Co. International plc	Buy	N/A	19,786 Swaps
12/20/2018	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	14,430 Ordinary Shares
12/20/2018	Morgan Stanley & Co. International plc	Sell	N/A	19,786 Swaps
12/20/2018	Morgan Stanley Australia Securities Limited	Sell	84.24 (AUD)	27 Ordinary Shares
12/21/2018	Morgan Stanley & Co. International plc	Buy	N/A	137 Swaps
12/21/2018	Morgan Stanley & Co. International plc	Buy	N/A	179 Swaps
12/21/2018	Morgan Stanley & Co. International plc	Buy	N/A	769 Swaps
12/21/2018	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	14,617 Ordinary Shares
12/21/2018	Morgan Stanley & Co. International plc	Sell	3,401.05	1,085 Ordinary Shares
12/21/2018	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	3,274,706 Ordinary Shares
12/21/2018	Morgan Stanley Australia Securities Limited	Buy	1,475.61 (AUD)	487 Ordinary Shares
12/21/2018	Morgan Stanley Australia Securities Limited	Sell	170.80 (AUD)	56 Ordinary Shares
12/21/2018	Morgan Stanley Australia Securities Limited	Sell	354.51 (AUD)	117 Ordinary Shares
12/21/2018	Morgan Stanley Australia Securities Limited	Sell	40.17 (AUD)	13 Ordinary Shares
12/21/2018	Morgan Stanley Capital Services LLC	Buy	N/A	186 Swaps
12/24/2018	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	5,167 Ordinary Shares
12/24/2018	Morgan Stanley Australia Securities Limited	Buy	166.32 (AUD)	56 Ordinary Shares
12/24/2018	Morgan Stanley Australia Securities Limited	Buy	342.20 (AUD)	116 Ordinary Shares
12/24/2018	Morgan Stanley Australia Securities Limited	Buy	42.70 (AUD)	14 Ordinary Shares

12/24/2018	Morgan Stanley Australia Securities Limited	Buy	666.00 (AUD)	225 Ordinary Shares
12/24/2018	Morgan Stanley Australia Securities Limited	Sell	146.40 (AUD)	48 Ordinary Shares
12/24/2018	Morgan Stanley Australia Securities Limited	Sell	42.70 (AUD)	14 Ordinary Shares
12/24/2018	Morgan Stanley Capital Services LLC	Sell	N/A	186 Swaps
12/27/2018	Morgan Stanley & Co. International plc	Buy	9,618.36	3,098 Ordinary Shares
12/27/2018	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	17,531 Ordinary Shares
12/27/2018	Morgan Stanley Australia Securities Limited	Buy	515.54 (AUD)	173 Ordinary Shares
12/28/2018	Morgan Stanley & Co. International plc	Buy	10,599.45	3,414 Ordinary Shares
12/28/2018	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	1,332 Ordinary Shares
12/28/2018	Morgan Stanley & Co. International plc	Sell	10,174.50	3,230 Ordinary Shares
12/28/2018	Morgan Stanley Australia Securities Limited	Buy	147.84 (AUD)	48 Ordinary Shares
12/28/2018	Morgan Stanley Australia Securities Limited	Buy	150.00 (AUD)	50 Ordinary Shares
12/28/2018	Morgan Stanley Australia Securities Limited	Buy	23.76 (AUD)	8 Ordinary Shares
12/28/2018	Morgan Stanley Australia Securities Limited	Buy	23.84 (AUD)	8 Ordinary Shares
12/28/2018	Morgan Stanley Australia Securities Limited	Buy	5.94 (AUD)	2 Ordinary Shares
12/28/2018	Morgan Stanley Australia Securities Limited	Buy	60.20 (AUD)	20 Ordinary Shares
12/31/2018	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	4,388 Ordinary Shares
12/31/2018	Morgan Stanley Australia Securities Limited	Buy	3.13 (AUD)	1 Ordinary Share
12/31/2018	Morgan Stanley Australia Securities Limited	Sell	1,064.45 (AUD)	349 Ordinary Shares
12/31/2018	Morgan Stanley Australia Securities Limited	Sell	52.70 (AUD)	17 Ordinary Shares
1/02/2019	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	25,900 Ordinary Shares
1/02/2019	Morgan Stanley Australia Securities Limited	Sell	572.67 (AUD)	189 Ordinary Shares
1/02/2019	Morgan Stanley Australia Securities Limited	Sell	87.87 (AUD)	29 Ordinary Shares
1/03/2019	Morgan Stanley & Co. International plc	Buy	7,228.50	2,370 Ordinary Shares
1/03/2019	Morgan Stanley & Co. International plc	Collateral Received	N/A	504 Ordinary Shares
1/03/2019	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	8 Ordinary Shares
1/03/2019	Morgan Stanley & Co. International plc	Sell	1,530.00	500 Ordinary Shares
1/03/2019	Morgan Stanley Australia Securities Limited	Sell	223.50 (AUD)	75 Ordinary Shares
1/03/2019	Morgan Stanley Australia Securities Limited	Sell	27.00 (AUD)	9 Ordinary Shares
1/03/2019	Morgan Stanley Australia Securities Limited	Sell	56.05 (AUD)	19 Ordinary Shares
1/03/2019	Morgan Stanley Australia Securities Limited	Sell	9.03 (AUD)	3 Ordinary Shares
1/04/2019	Morgan Stanley & Co. International plc	Sell	4,251.78	1,422 Ordinary Shares
1/04/2019	Morgan Stanley Australia Securities Limited	Buy	11.80 (AUD)	4 Ordinary Shares
1/04/2019	Morgan Stanley Australia Securities Limited	Buy	120.54 (AUD)	42 Ordinary Shares
1/04/2019	Morgan Stanley Australia Securities Limited	Buy	52.02 (AUD)	18 Ordinary Shares
1/04/2019	Morgan Stanley Australia Securities Limited	Buy	8.58 (AUD)	3 Ordinary Shares
1/04/2019	Morgan Stanley Australia Securities Limited	Sell	254.54 (AUD)	89 Ordinary Shares
1/07/2019	Morgan Stanley & Co. International plc	Buy	883,793.08	274,504 Ordinary Shares
1/07/2019	Morgan Stanley & Co. International plc	Sell	6,233.60	1,948 Ordinary Shares
1/07/2019	Morgan Stanley & Co. LLC	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	91,959 Ordinary Shares
1/07/2019	Morgan Stanley Australia Securities Limited	Buy	2,280.00 (AUD)	750 Ordinary Shares

1/07/2019	Morgan Stanley Australia Securities Limited	Sell	6.06 (AUD)	2 Ordinary Shares
1/07/2019	Morgan Stanley Australia Securities Limited	Sell	9.12 (AUD)	3 Ordinary Shares
1/08/2019	Morgan Stanley & Co. International plc	Buy	1,145,585.00	350,000 Ordinary Shares
1/08/2019	Morgan Stanley & Co. International plc	Sell	6,471.44	1,973 Ordinary Shares
1/08/2019	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	55,750 Ordinary Shares
1/08/2019	Morgan Stanley Australia Securities Limited	Buy	173.28 (AUD)	57 Ordinary Shares
1/08/2019	Morgan Stanley Australia Securities Limited	Buy	227.03 (AUD)	73 Ordinary Shares
1/08/2019	Morgan Stanley Australia Securities Limited	Buy	243.32 (AUD)	79 Ordinary Shares
1/08/2019	Morgan Stanley Australia Securities Limited	Buy	52.53 (AUD)	17 Ordinary Shares
1/08/2019	Morgan Stanley Australia Securities Limited	Buy	59.28 (AUD)	19 Ordinary Shares
1/08/2019	Morgan Stanley Australia Securities Limited	Buy	6.10 (AUD)	2 Ordinary Shares
1/08/2019	Morgan Stanley Australia Securities Limited	Buy	77.50 (AUD)	25 Ordinary Shares
1/08/2019	Morgan Stanley Australia Securities Limited	Sell	1,019.70 (AUD)	330 Ordinary Shares
1/09/2019	Morgan Stanley & Co. International plc	Buy	49,500.00	15,000 Ordinary Shares
1/09/2019	Morgan Stanley & Co. International plc	Collateral Returned	N/A	504 Ordinary Shares
1/09/2019	Morgan Stanley & Co. International plc	Sell	8,013.44	2,432 Ordinary Shares
1/09/2019	Morgan Stanley & Co. LLC	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	3,238,497 Ordinary Shares
1/09/2019	Morgan Stanley Australia Securities Limited	Buy	106.08 (AUD)	34 Ordinary Shares
1/09/2019	Morgan Stanley Australia Securities Limited	Buy	18.84 (AUD)	6 Ordinary Shares
1/09/2019	Morgan Stanley Australia Securities Limited	Buy	21.56 (AUD)	7 Ordinary Shares
1/09/2019	Morgan Stanley Australia Securities Limited	Buy	25.20 (AUD)	8 Ordinary Shares
1/09/2019	Morgan Stanley Australia Securities Limited	Buy	3.13 (AUD)	1 Ordinary Share
1/09/2019	Morgan Stanley Australia Securities Limited	Buy	49.44 (AUD)	16 Ordinary Shares
1/09/2019	Morgan Stanley Australia Securities Limited	Buy	9.48 (AUD)	3 Ordinary Shares
1/09/2019	Morgan Stanley Australia Securities Limited	Sell	976.36 (AUD)	317 Ordinary Shares
1/10/2019	Morgan Stanley & Co. International plc	Buy	801,293.51	240,542 Ordinary Shares
1/10/2019	Morgan Stanley & Co. International plc	Sell	2,533.16	763 Ordinary Shares
1/10/2019	Morgan Stanley & Co. International plc	Sell	49,681.18	15,000 Ordinary Shares
1/10/2019	Morgan Stanley & Co. International plc	Sell	5,214.60	1,577 Ordinary Shares
1/10/2019	Morgan Stanley Australia Securities Limited	Buy	100.80 (AUD)	32 Ordinary Shares
1/10/2019	Morgan Stanley Australia Securities Limited	Buy	15.70 (AUD)	5 Ordinary Shares
1/10/2019	Morgan Stanley Australia Securities Limited	Buy	25.28 (AUD)	8 Ordinary Shares
1/10/2019	Morgan Stanley Australia Securities Limited	Buy	3.16 (AUD)	1 Ordinary Share
1/10/2019	Morgan Stanley Australia Securities Limited	Buy	40.69 (AUD)	13 Ordinary Shares
1/10/2019	Morgan Stanley Australia Securities Limited	Buy	41.21 (AUD)	13 Ordinary Shares
1/10/2019	Morgan Stanley Australia Securities Limited	Buy	6,706.35 (AUD)	2,129 Ordinary Shares
1/10/2019	Morgan Stanley Australia Securities Limited	Sell	1,409.36 (AUD)	446 Ordinary Shares
1/10/2019	Morgan Stanley Australia Securities Limited	Sell	3.16 (AUD)	1 Ordinary Share
1/11/2019	Morgan Stanley & Co. International plc	Buy	5,081.58	1,526 Ordinary Shares
1/11/2019	Morgan Stanley & Co. International plc	Sell	1,762.10	526 Ordinary Shares
1/11/2019	Morgan Stanley & Co. International plc	Sell	5,081.58	1,526 Ordinary Shares
1/11/2019	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	114,691 Ordinary Shares
1/11/2019	Morgan Stanley Australia Securities Limited	Buy	164.84 (AUD)	52 Ordinary Shares

1/11/2019	Morgan Stanley Australia Securities Limited	Buy	3.19 (AUD)	1 Ordinary Share
1/11/2019	Morgan Stanley Australia Securities Limited	Buy	3.21 (AUD)	1 Ordinary Share
1/11/2019	Morgan Stanley Australia Securities Limited	Buy	916.13 (AUD)	289 Ordinary Shares
1/11/2019	Morgan Stanley Australia Securities Limited	Sell	164.32 (AUD)	52 Ordinary Shares
1/11/2019	Morgan Stanley Australia Securities Limited	Sell	41.86 (AUD)	13 Ordinary Shares
1/11/2019	Morgan Stanley Australia Securities Limited	Sell	6.32 (AUD)	2 Ordinary Shares
1/11/2019	Morgan Stanley Australia Securities Limited	Sell	83.33 (AUD)	26 Ordinary Shares
1/14/2019	Morgan Stanley & Co. International plc	Sell	223,044.88	66,591 Ordinary Shares
1/14/2019	Morgan Stanley & Co. International plc	Sell	4,629.70	1,382 Ordinary Shares
1/14/2019	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	550,000 Ordinary Shares
1/14/2019	Morgan Stanley Australia Securities Limited	Buy	504.00 (AUD)	160 Ordinary Shares
1/14/2019	Morgan Stanley Australia Securities Limited	Sell	104.28 (AUD)	33 Ordinary Shares
1/14/2019	Morgan Stanley Australia Securities Limited	Sell	513.60 (AUD)	160 Ordinary Shares
1/14/2019	Morgan Stanley Australia Securities Limited	Sell	57.24 (AUD)	18 Ordinary Shares
1/14/2019	Morgan Stanley Australia Securities Limited	Sell	6.34 (AUD)	2 Ordinary Shares
1/14/2019	Morgan Stanley Australia Securities Limited	Sell	6.42 (AUD)	2 Ordinary Shares
1/14/2019	Morgan Stanley Capital Services LLC	Buy	N/A	1,382 Swaps
1/15/2019	Morgan Stanley & Co. International plc	Sell	9,182.21	2,758 Ordinary Shares
1/15/2019	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	204,632 Ordinary Shares
1/15/2019	Morgan Stanley Australia Securities Limited	Sell	19.20 (AUD)	6 Ordinary Shares
1/15/2019	Morgan Stanley Australia Securities Limited	Sell	2,085.60 (AUD)	660 Ordinary Shares
1/15/2019	Morgan Stanley Australia Securities Limited	Sell	3.14 (AUD)	1 Ordinary Share
1/15/2019	Morgan Stanley Australia Securities Limited	Sell	6.30 (AUD)	2 Ordinary Shares
1/15/2019	Morgan Stanley Australia Securities Limited	Sell	63.20 (AUD)	20 Ordinary Shares
1/16/2019	Morgan Stanley & Co. International plc	Sell	496.17	149 Ordinary Shares
1/16/2019	Morgan Stanley & Co. International plc	Sell	83,000.00	25,000 Ordinary Shares
1/16/2019	Morgan Stanley & Co. International plc	Sell	9,182.21	2,758 Ordinary Shares
1/16/2019	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	173,528 Ordinary Shares
1/16/2019	Morgan Stanley Australia Securities Limited	Buy	223.65 (AUD)	71 Ordinary Shares
1/16/2019	Morgan Stanley Australia Securities Limited	Sell	589.05 (AUD)	187 Ordinary Shares
1/16/2019	Morgan Stanley Australia Securities Limited	Sell	75.84 (AUD)	24 Ordinary Shares
1/17/2019	Morgan Stanley & Co. International plc	Buy	3,660.86	1,106 Ordinary Shares
1/17/2019	Morgan Stanley & Co. International plc	Sell	216,366.75	64,975 Ordinary Shares
1/17/2019	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	2,758 Ordinary Shares
1/17/2019	Morgan Stanley Australia Securities Limited	Buy	15.75 (AUD)	5 Ordinary Shares
1/17/2019	Morgan Stanley Australia Securities Limited	Buy	25.12 (AUD)	8 Ordinary Shares
1/17/2019	Morgan Stanley Australia Securities Limited	Buy	6.34 (AUD)	2 Ordinary Shares
1/17/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,106 Swaps
1/18/2019	Morgan Stanley & Co. International plc	Buy	8,310.00	2,500 Ordinary Shares
1/18/2019	Morgan Stanley & Co. International plc	Buy	914.10	277 Ordinary Shares
1/18/2019	Morgan Stanley & Co. International plc	Sell	416,750.00	125,000 Ordinary Shares
1/18/2019	Morgan Stanley & Co. International plc	Sell	N/A	2,500 Swaps

1/18/2019	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	26,800 Ordinary Shares
1/18/2019	Morgan Stanley Australia Securities Limited	Buy	12.52 (AUD)	4 Ordinary Shares
1/18/2019	Morgan Stanley Australia Securities Limited	Buy	9.42 (AUD)	3 Ordinary Shares
1/18/2019	Morgan Stanley Australia Securities Limited	Sell	1,575.00 (AUD)	500 Ordinary Shares
1/18/2019	Morgan Stanley Australia Securities Limited	Sell	228.49 (AUD)	73 Ordinary Shares
1/18/2019	Morgan Stanley Australia Securities Limited	Sell	5,862.15 (AUD)	1,861 Ordinary Shares
1/18/2019	Morgan Stanley Australia Securities Limited	Sell	7,610.40 (AUD)	2,416 Ordinary Shares
1/18/2019	Morgan Stanley Capital Services LLC	Buy	N/A	2,416 Swaps
1/21/2019	Morgan Stanley & Co. International plc	Sell	500,957.70	150,000 Ordinary Shares
1/21/2019	Morgan Stanley Australia Securities Limited	Buy	145.36 (AUD)	46 Ordinary Shares
1/21/2019	Morgan Stanley Australia Securities Limited	Buy	3,400.16 (AUD)	1,076 Ordinary Shares
1/21/2019	Morgan Stanley Australia Securities Limited	Buy	65.94 (AUD)	21 Ordinary Shares
1/21/2019	Morgan Stanley Australia Securities Limited	Buy	91.35 (AUD)	29 Ordinary Shares
1/21/2019	Morgan Stanley Australia Securities Limited	Sell	6,563.32 (AUD)	2,077 Ordinary Shares
1/21/2019	Morgan Stanley Australia Securities Limited	Sell	7,884.54 (AUD)	2,511 Ordinary Shares
1/21/2019	Morgan Stanley Capital Services LLC	Buy	N/A	2,077 Swaps
1/21/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,076 Swaps
1/22/2019	Morgan Stanley & Co. International plc	Sell	674,000.00	200,000 Ordinary Shares
1/22/2019	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	197,625 Ordinary Shares
1/22/2019	Morgan Stanley Australia Securities Limited	Buy	193.37 (AUD)	61 Ordinary Shares
1/22/2019	Morgan Stanley Australia Securities Limited	Sell	10,143.60 (AUD)	3,210 Ordinary Shares
1/22/2019	Morgan Stanley Capital Services LLC	Sell	N/A	61 Swaps
1/23/2019	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	65,575 Ordinary Shares
1/23/2019	Morgan Stanley Australia Securities Limited	Buy	3.21 (AUD)	1 Ordinary Share
1/23/2019	Morgan Stanley Australia Securities Limited	Buy	561.09 (AUD)	177 Ordinary Shares
1/23/2019	Morgan Stanley Australia Securities Limited	Sell	1,146.65 (AUD)	355 Ordinary Shares
1/23/2019	Morgan Stanley Australia Securities Limited	Sell	9,418.50 (AUD)	2,925 Ordinary Shares
1/23/2019	Morgan Stanley Capital Services LLC	Sell	N/A	177 Swaps
1/24/2019	Morgan Stanley Australia Securities Limited	Buy	116.90 (AUD)	35 Ordinary Shares
1/24/2019	Morgan Stanley Australia Securities Limited	Buy	2,720.00 (AUD)	800 Ordinary Shares
1/24/2019	Morgan Stanley Australia Securities Limited	Buy	4,603.32 (AUD)	1,346 Ordinary Shares
1/24/2019	Morgan Stanley Australia Securities Limited	Buy	961.02 (AUD)	281 Ordinary Shares
1/24/2019	Morgan Stanley Australia Securities Limited	Sell	135.20 (AUD)	40 Ordinary Shares
1/24/2019	Morgan Stanley Australia Securities Limited	Sell	178.36 (AUD)	52 Ordinary Shares
1/24/2019	Morgan Stanley Australia Securities Limited	Sell	20.04 (AUD)	6 Ordinary Shares
1/24/2019	Morgan Stanley Australia Securities Limited	Sell	24.43 (AUD)	7 Ordinary Shares
1/24/2019	Morgan Stanley Australia Securities Limited	Sell	44.33 (AUD)	13 Ordinary Shares
1/24/2019	Morgan Stanley Australia Securities Limited	Sell	61.56 (AUD)	18 Ordinary Shares
1/24/2019	Morgan Stanley Australia Securities Limited	Sell	67.80 (AUD)	20 Ordinary Shares
1/24/2019	Morgan Stanley Capital Services LLC	Sell	N/A	316 Swaps
1/25/2019	Morgan Stanley & Co. International plc	Buy	4,967.60	1,342 Ordinary Shares
1/25/2019	Morgan Stanley Australia Securities Limited	Buy	371.70 (AUD)	105 Ordinary Shares
1/25/2019	Morgan Stanley Australia Securities Limited	Sell	2,082.00 (AUD)	600 Ordinary Shares

1/25/2019	Morgan Stanley Australia Securities Limited	Sell	28.48 (AUD)	8 Ordinary Shares
1/25/2019	Morgan Stanley Australia Securities Limited	Sell	31.95 (AUD)	9 Ordinary Shares
1/25/2019	Morgan Stanley Australia Securities Limited	Sell	4,176.00 (AUD)	1,200 Ordinary Shares
1/25/2019	Morgan Stanley Australia Securities Limited	Sell	56.64 (AUD)	16 Ordinary Shares
1/25/2019	Morgan Stanley Australia Securities Limited	Sell	66.69 (AUD)	19 Ordinary Shares
1/25/2019	Morgan Stanley Australia Securities Limited	Sell	938.10 (AUD)	265 Ordinary Shares
1/25/2019	Morgan Stanley Capital Services LLC	Sell	N/A	105 Swaps
1/25/2019	Morgan Stanley Capital Services LLC	Sell	N/A	276 Swaps
1/28/2019	Morgan Stanley & Co. International plc	Sell	916.32	249 Ordinary Shares
1/29/2019	Morgan Stanley & Co. International plc	Buy	N/A	700 Swaps
1/29/2019	Morgan Stanley & Co. International plc	Sell	N/A	700 Swaps
1/29/2019	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	1,052,002 Ordinary Shares
1/29/2019	Morgan Stanley Australia Securities Limited	Buy	106.20 (AUD)	30 Ordinary Shares
1/29/2019	Morgan Stanley Australia Securities Limited	Buy	2,012.60 (AUD)	580 Ordinary Shares
1/29/2019	Morgan Stanley Australia Securities Limited	Buy	236.51 (AUD)	67 Ordinary Shares
1/29/2019	Morgan Stanley Australia Securities Limited	Buy	262.50 (AUD)	75 Ordinary Shares
1/29/2019	Morgan Stanley Australia Securities Limited	Buy	280.80 (AUD)	80 Ordinary Shares
1/29/2019	Morgan Stanley Australia Securities Limited	Buy	388.64 (AUD)	112 Ordinary Shares
1/29/2019	Morgan Stanley Australia Securities Limited	Buy	414.00 (AUD)	120 Ordinary Shares
1/29/2019	Morgan Stanley Australia Securities Limited	Buy	419.87 (AUD)	121 Ordinary Shares
1/29/2019	Morgan Stanley Australia Securities Limited	Buy	5,658.00 (AUD)	1,640 Ordinary Shares
1/29/2019	Morgan Stanley Australia Securities Limited	Buy	523.97 (AUD)	151 Ordinary Shares
1/29/2019	Morgan Stanley Australia Securities Limited	Buy	558.67 (AUD)	161 Ordinary Shares
1/29/2019	Morgan Stanley Australia Securities Limited	Buy	767.80 (AUD)	220 Ordinary Shares
1/29/2019	Morgan Stanley Australia Securities Limited	Sell	2,520.00 (AUD)	700 Ordinary Shares
1/29/2019	Morgan Stanley Australia Securities Limited	Sell	291.60 (AUD)	81 Ordinary Shares
1/29/2019	Morgan Stanley Australia Securities Limited	Sell	3,955.77 (AUD)	1,127 Ordinary Shares
1/29/2019	Morgan Stanley Australia Securities Limited	Sell	4,732.00 (AUD)	1,352 Ordinary Shares
1/29/2019	Morgan Stanley Australia Securities Limited	Sell	825.36 (AUD)	228 Ordinary Shares
1/29/2019	Morgan Stanley Capital Services LLC	Buy	N/A	228 Swaps
1/29/2019	Morgan Stanley Capital Services LLC	Sell	N/A	112 Swaps
1/30/2019	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	5,000 Ordinary Shares
1/30/2019	Morgan Stanley Australia Securities Limited	Buy	10.29 (AUD)	3 Ordinary Shares
1/30/2019	Morgan Stanley Australia Securities Limited	Buy	17.30 (AUD)	5 Ordinary Shares
1/30/2019	Morgan Stanley Australia Securities Limited	Buy	173.40 (AUD)	51 Ordinary Shares
1/30/2019	Morgan Stanley Australia Securities Limited	Buy	31.05 (AUD)	9 Ordinary Shares
1/30/2019	Morgan Stanley Australia Securities Limited	Buy	37.73 (AUD)	11 Ordinary Shares
1/30/2019	Morgan Stanley Australia Securities Limited	Buy	37.84 (AUD)	11 Ordinary Shares
1/30/2019	Morgan Stanley Australia Securities Limited	Buy	523.26 (AUD)	153 Ordinary Shares
1/30/2019	Morgan Stanley Australia Securities Limited	Sell	3.43 (AUD)	1 Ordinary Share
1/30/2019	Morgan Stanley Australia Securities Limited	Sell	6.86 (AUD)	2 Ordinary Shares
1/30/2019	Morgan Stanley Capital Services LLC	Buy	N/A	1 Swap
1/31/2019	Morgan Stanley & Co. International plc	Sell	2,856.76	817 Ordinary Shares
1/31/2019	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder	N/A	5,619 Ordinary Shares

		may exercise right to rehypothecate pursuant to the agreement(s)		
1/31/2019	Morgan Stanley Australia Securities Limited	Buy	1,209.98 (AUD)	365 Ordinary Shares
1/31/2019	Morgan Stanley Australia Securities Limited	Buy	129.09 (AUD)	39 Ordinary Shares
1/31/2019	Morgan Stanley Australia Securities Limited	Buy	218.46 (AUD)	66 Ordinary Shares
1/31/2019	Morgan Stanley Australia Securities Limited	Buy	3,042.00 (AUD)	900 Ordinary Shares
1/31/2019	Morgan Stanley Australia Securities Limited	Buy	368.50 (AUD)	110 Ordinary Shares
1/31/2019	Morgan Stanley Australia Securities Limited	Buy	381.80 (AUD)	115 Ordinary Shares
1/31/2019	Morgan Stanley Australia Securities Limited	Buy	387.27 (AUD)	117 Ordinary Shares
1/31/2019	Morgan Stanley Australia Securities Limited	Buy	6,961.50 (AUD)	2,100 Ordinary Shares
1/31/2019	Morgan Stanley Australia Securities Limited	Buy	9.93 (AUD)	3 Ordinary Shares
1/31/2019	Morgan Stanley Australia Securities Limited	Sell	1,191.60 (AUD)	360 Ordinary Shares
1/31/2019	Morgan Stanley Australia Securities Limited	Sell	9.93 (AUD)	3 Ordinary Shares
1/31/2019	Morgan Stanley Capital Services LLC	Buy	N/A	3 Swaps
2/01/2019	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	5,367 Ordinary Shares
2/01/2019	Morgan Stanley Australia Securities Limited	Buy	1,355.36 (AUD)	394 Ordinary Shares
2/01/2019	Morgan Stanley Australia Securities Limited	Buy	103.54 (AUD)	31 Ordinary Shares
2/01/2019	Morgan Stanley Australia Securities Limited	Buy	116.96 (AUD)	34 Ordinary Shares
2/01/2019	Morgan Stanley Australia Securities Limited	Buy	212.66 (AUD)	62 Ordinary Shares
2/01/2019	Morgan Stanley Australia Securities Limited	Buy	3,729.00 (AUD)	1,100 Ordinary Shares
2/01/2019	Morgan Stanley Australia Securities Limited	Buy	384.16 (AUD)	112 Ordinary Shares
2/01/2019	Morgan Stanley Australia Securities Limited	Buy	385.33 (AUD)	113 Ordinary Shares
2/01/2019	Morgan Stanley Australia Securities Limited	Buy	4,066.40 (AUD)	1,196 Ordinary Shares
2/01/2019	Morgan Stanley Australia Securities Limited	Buy	416.40 (AUD)	120 Ordinary Shares
2/01/2019	Morgan Stanley Australia Securities Limited	Buy	462.30 (AUD)	134 Ordinary Shares
2/01/2019	Morgan Stanley Australia Securities Limited	Buy	50.25 (AUD)	15 Ordinary Shares
2/01/2019	Morgan Stanley Australia Securities Limited	Buy	9.96 (AUD)	3 Ordinary Shares
2/01/2019	Morgan Stanley Australia Securities Limited	Sell	534.52 (AUD)	161 Ordinary Shares
2/01/2019	Morgan Stanley Australia Securities Limited	Sell	557.28 (AUD)	162 Ordinary Shares
2/01/2019	Morgan Stanley Australia Securities Limited	Sell	6,032.30 (AUD)	1,790 Ordinary Shares
2/01/2019	Morgan Stanley Australia Securities Limited	Sell	9.96 (AUD)	3 Ordinary Shares
2/01/2019	Morgan Stanley Capital Services LLC	Buy	N/A	164 Swaps
2/01/2019	Morgan Stanley Capital Services LLC	Sell	N/A	394 Swaps
2/04/2019	Morgan Stanley & Co. International plc	Buy	1,777,550.00	500,000 Ordinary Shares
2/04/2019	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	40,000 Ordinary Shares
2/04/2019	Morgan Stanley Australia Securities Limited	Buy	1,190.16 (AUD)	342 Ordinary Shares
2/04/2019	Morgan Stanley Australia Securities Limited	Buy	135.40 (AUD)	40 Ordinary Shares
2/04/2019	Morgan Stanley Australia Securities Limited	Buy	179.67 (AUD)	53 Ordinary Shares
2/04/2019	Morgan Stanley Australia Securities Limited	Buy	2,034.67 (AUD)	583 Ordinary Shares
2/04/2019	Morgan Stanley Australia Securities Limited	Buy	233.83 (AUD)	67 Ordinary Shares
2/04/2019	Morgan Stanley Australia Securities Limited	Buy	24.08 (AUD)	7 Ordinary Shares
2/04/2019	Morgan Stanley Australia Securities Limited	Buy	250.39 (AUD)	73 Ordinary Shares
2/04/2019	Morgan Stanley Australia Securities Limited	Buy	3.50 (AUD)	1 Ordinary Share
2/04/2019	Morgan Stanley Australia Securities Limited	Buy	327.75 (AUD)	95 Ordinary Shares

2/04/2019	Morgan Stanley Australia Securities Limited	Buy	351.48 (AUD)	101 Ordinary Shares
2/04/2019	Morgan Stanley Australia Securities Limited	Buy	59.50 (AUD)	17 Ordinary Shares
2/04/2019	Morgan Stanley Australia Securities Limited	Sell	3.50 (AUD)	1 Ordinary Share
2/04/2019	Morgan Stanley Capital Services LLC	Buy	N/A	1 Swap
2/05/2019	Morgan Stanley & Co. International plc	Buy	311,088.75	87,500 Ordinary Shares
2/05/2019	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	20,000 Ordinary Shares
2/05/2019	Morgan Stanley Australia Securities Limited	Buy	194.94 (AUD)	57 Ordinary Shares
2/05/2019	Morgan Stanley Australia Securities Limited	Buy	206.18 (AUD)	61 Ordinary Shares
2/05/2019	Morgan Stanley Australia Securities Limited	Buy	23.66 (AUD)	7 Ordinary Shares
2/05/2019	Morgan Stanley Australia Securities Limited	Buy	3,303.09 (AUD)	963 Ordinary Shares
2/05/2019	Morgan Stanley Australia Securities Limited	Buy	351.48 (AUD)	101 Ordinary Shares
2/05/2019	Morgan Stanley Australia Securities Limited	Buy	352.49 (AUD)	101 Ordinary Shares
2/05/2019	Morgan Stanley Australia Securities Limited	Buy	50.85 (AUD)	15 Ordinary Shares
2/05/2019	Morgan Stanley Australia Securities Limited	Buy	54.08 (AUD)	16 Ordinary Shares
2/05/2019	Morgan Stanley Australia Securities Limited	Buy	848.07 (AUD)	243 Ordinary Shares
2/05/2019	Morgan Stanley Australia Securities Limited	Buy	85.75 (AUD)	25 Ordinary Shares
2/05/2019	Morgan Stanley Capital Services LLC	Sell	N/A	304 Swaps
2/06/2019	Morgan Stanley Australia Securities Limited	Buy	1,767.50 (AUD)	505 Ordinary Shares
2/06/2019	Morgan Stanley Australia Securities Limited	Buy	128.76 (AUD)	37 Ordinary Shares
2/06/2019	Morgan Stanley Australia Securities Limited	Buy	132.60 (AUD)	39 Ordinary Shares
2/06/2019	Morgan Stanley Australia Securities Limited	Buy	20.40 (AUD)	6 Ordinary Shares
2/06/2019	Morgan Stanley Australia Securities Limited	Buy	275.71 (AUD)	79 Ordinary Shares
2/06/2019	Morgan Stanley Australia Securities Limited	Buy	42.12 (AUD)	12 Ordinary Shares
2/06/2019	Morgan Stanley Australia Securities Limited	Buy	93.96 (AUD)	27 Ordinary Shares
2/06/2019	Morgan Stanley Australia Securities Limited	Buy	94.50 (AUD)	27 Ordinary Shares
2/06/2019	Morgan Stanley Australia Securities Limited	Sell	3,549.00 (AUD)	1,014 Ordinary Shares
2/06/2019	Morgan Stanley Capital Services LLC	Sell	N/A	544 Swaps
2/07/2019	Morgan Stanley & Co. International plc	Sell	157,500.00	45,000 Ordinary Shares
2/07/2019	Morgan Stanley & Co. International plc	Sell	36,118.00	10,000 Ordinary Shares
2/07/2019	Morgan Stanley & Co. LLC	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	811,109 Ordinary Shares
2/07/2019	Morgan Stanley Australia Securities Limited	Buy	10.20 (AUD)	3 Ordinary Shares
2/07/2019	Morgan Stanley Australia Securities Limited	Buy	10.50 (AUD)	3 Ordinary Shares
2/07/2019	Morgan Stanley Australia Securities Limited	Buy	101.21 (AUD)	29 Ordinary Shares
2/07/2019	Morgan Stanley Australia Securities Limited	Buy	112.20 (AUD)	34 Ordinary Shares
2/07/2019	Morgan Stanley Australia Securities Limited	Buy	114.24 (AUD)	34 Ordinary Shares
2/07/2019	Morgan Stanley Australia Securities Limited	Buy	13,212.50 (AUD)	3,775 Ordinary Shares
2/07/2019	Morgan Stanley Australia Securities Limited	Buy	26.16 (AUD)	8 Ordinary Shares
2/07/2019	Morgan Stanley Australia Securities Limited	Buy	261.49 (AUD)	79 Ordinary Shares
2/07/2019	Morgan Stanley Australia Securities Limited	Buy	3,169.65 (AUD)	935 Ordinary Shares
2/07/2019	Morgan Stanley Australia Securities Limited	Buy	3.37 (AUD)	1 Ordinary Share
2/07/2019	Morgan Stanley Australia Securities Limited	Buy	307.58 (AUD)	91 Ordinary Shares
2/07/2019	Morgan Stanley Australia Securities Limited	Sell	843.66 (AUD)	258 Ordinary Shares
2/07/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,801 Swaps
2/08/2019	Morgan Stanley Australia Securities Limited	Buy	202.24 (AUD)	64 Ordinary Shares

2/08/2019	Morgan Stanley Australia Securities Limited	Sell	120.08 (AUD)	38 Ordinary Shares
2/08/2019	Morgan Stanley Australia Securities Limited	Sell	171.60 (AUD)	55 Ordinary Shares
2/08/2019	Morgan Stanley Australia Securities Limited	Sell	172.70 (AUD)	55 Ordinary Shares
2/08/2019	Morgan Stanley Australia Securities Limited	Sell	2,835.00 (AUD)	900 Ordinary Shares
2/08/2019	Morgan Stanley Australia Securities Limited	Sell	2,861.43 (AUD)	897 Ordinary Shares
2/08/2019	Morgan Stanley Australia Securities Limited	Sell	218.04 (AUD)	69 Ordinary Shares
2/08/2019	Morgan Stanley Australia Securities Limited	Sell	261.45 (AUD)	83 Ordinary Shares
2/08/2019	Morgan Stanley Australia Securities Limited	Sell	276.66 (AUD)	87 Ordinary Shares
2/08/2019	Morgan Stanley Australia Securities Limited	Sell	318.15 (AUD)	101 Ordinary Shares
2/08/2019	Morgan Stanley Australia Securities Limited	Sell	340.08 (AUD)	109 Ordinary Shares
2/08/2019	Morgan Stanley Australia Securities Limited	Sell	369.34 (AUD)	118 Ordinary Shares
2/08/2019	Morgan Stanley Australia Securities Limited	Sell	376.80 (AUD)	120 Ordinary Shares
2/08/2019	Morgan Stanley Australia Securities Limited	Sell	378.00 (AUD)	120 Ordinary Shares
2/08/2019	Morgan Stanley Australia Securities Limited	Sell	43.68 (AUD)	14 Ordinary Shares
2/08/2019	Morgan Stanley Australia Securities Limited	Sell	506.93 (AUD)	163 Ordinary Shares
2/08/2019	Morgan Stanley Australia Securities Limited	Sell	664.56 (AUD)	213 Ordinary Shares
2/08/2019	Morgan Stanley Australia Securities Limited	Sell	70.18 (AUD)	22 Ordinary Shares
2/08/2019	Morgan Stanley Capital Services LLC	Buy	N/A	360 Swaps
2/11/2019	Morgan Stanley & Co. International plc	Buy	N/A	900 Swaps
2/11/2019	Morgan Stanley & Co. International plc	Sell	2,979.65	900 Ordinary Shares
2/11/2019	Morgan Stanley Australia Securities Limited	Buy	262.92 (AUD)	84 Ordinary Shares
2/11/2019	Morgan Stanley Australia Securities Limited	Buy	4,510.80 (AUD)	1,432 Ordinary Shares
2/11/2019	Morgan Stanley Australia Securities Limited	Buy	979.69 (AUD)	313 Ordinary Shares
2/11/2019	Morgan Stanley Australia Securities Limited	Sell	1,068.48 (AUD)	336 Ordinary Shares
2/11/2019	Morgan Stanley Australia Securities Limited	Sell	15.80 (AUD)	5 Ordinary Shares
2/11/2019	Morgan Stanley Australia Securities Limited	Sell	178.41 (AUD)	57 Ordinary Shares
2/11/2019	Morgan Stanley Australia Securities Limited	Sell	187.03 (AUD)	59 Ordinary Shares
2/11/2019	Morgan Stanley Australia Securities Limited	Sell	19.08 (AUD)	6 Ordinary Shares
2/11/2019	Morgan Stanley Australia Securities Limited	Sell	670.95 (AUD)	213 Ordinary Shares
2/11/2019	Morgan Stanley Australia Securities Limited	Sell	81.12 (AUD)	26 Ordinary Shares
2/11/2019	Morgan Stanley Capital Services LLC	Sell	N/A	84 Swaps
2/12/2019	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	500 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Buy	1,551.89 (AUD)	499 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Buy	1,751.04 (AUD)	576 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Buy	165.00 (AUD)	55 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Buy	174.42 (AUD)	57 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Buy	178.06 (AUD)	58 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Buy	183.00 (AUD)	61 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Buy	2,855.16 (AUD)	924 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Buy	252.56 (AUD)	82 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Buy	307.97 (AUD)	103 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Buy	486.22 (AUD)	161 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Buy	489.44 (AUD)	161 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Buy	544.25 (AUD)	175 Ordinary Shares

2/12/2019	Morgan Stanley Australia Securities Limited	Buy	57.57 (AUD)	19 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Buy	680.96 (AUD)	224 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Buy	763.23 (AUD)	247 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Buy	795.60 (AUD)	260 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Buy	84.84 (AUD)	28 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Buy	91.80 (AUD)	30 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Sell	1,186.56 (AUD)	384 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Sell	1,231.17 (AUD)	403 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Sell	1,307.20 (AUD)	430 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Sell	1,398.26 (AUD)	463 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Sell	1,433.38 (AUD)	481 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Sell	165.00 (AUD)	55 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Sell	2,537.43 (AUD)	843 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Sell	2,623.98 (AUD)	866 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Sell	3,004.95 (AUD)	1,005 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Sell	307.97 (AUD)	103 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Sell	6,358.68 (AUD)	2,078 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Sell	654.48 (AUD)	216 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Sell	84.84 (AUD)	28 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Sell	841.50 (AUD)	275 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Sell	9,293.35 (AUD)	3,047 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Sell	9,882.00 (AUD)	3,294 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Sell	91.80 (AUD)	30 Ordinary Shares
2/12/2019	Morgan Stanley Australia Securities Limited	Sell	997.35 (AUD)	327 Ordinary Shares
2/12/2019	Morgan Stanley Capital Services LLC	Buy	N/A	14,333 Swaps
2/13/2019	Morgan Stanley & Co. International plc	Buy	N/A	800 Swaps
2/13/2019	Morgan Stanley & Co. International plc	Sell	2,587.36	800 Ordinary Shares
2/13/2019	Morgan Stanley Australia Securities Limited	Buy	1,154.97 (AUD)	369 Ordinary Shares
2/13/2019	Morgan Stanley Australia Securities Limited	Buy	15.15 (AUD)	5 Ordinary Shares
2/13/2019	Morgan Stanley Australia Securities Limited	Buy	18.78 (AUD)	6 Ordinary Shares
2/13/2019	Morgan Stanley Australia Securities Limited	Buy	186.66 (AUD)	61 Ordinary Shares
2/13/2019	Morgan Stanley Australia Securities Limited	Buy	21.98 (AUD)	7 Ordinary Shares
2/13/2019	Morgan Stanley Australia Securities Limited	Buy	42.28 (AUD)	14 Ordinary Shares
2/13/2019	Morgan Stanley Australia Securities Limited	Buy	63.84 (AUD)	21 Ordinary Shares
2/13/2019	Morgan Stanley Australia Securities Limited	Buy	85.12 (AUD)	28 Ordinary Shares
2/13/2019	Morgan Stanley Australia Securities Limited	Sell	160.14 (AUD)	51 Ordinary Shares
2/13/2019	Morgan Stanley Australia Securities Limited	Sell	18.78 (AUD)	6 Ordinary Shares
2/13/2019	Morgan Stanley Australia Securities Limited	Sell	563.58 (AUD)	186 Ordinary Shares
2/14/2019	Morgan Stanley & Co. International plc	Sell	9,384.08	2,861 Ordinary Shares
2/14/2019	Morgan Stanley Australia Securities Limited	Buy	1,576,300.00 (AUD)	500,000 Ordinary Shares
2/14/2019	Morgan Stanley Australia Securities Limited	Buy	353.40 (AUD)	114 Ordinary Shares
2/14/2019	Morgan Stanley Australia Securities Limited	Buy	4,367.90 (AUD)	1,409 Ordinary Shares
2/14/2019	Morgan Stanley Australia Securities Limited	Buy	6.24 (AUD)	2 Ordinary Shares
2/14/2019	Morgan Stanley Australia Securities Limited	Buy	9.33 (AUD)	3 Ordinary Shares
2/14/2019	Morgan Stanley Australia Securities Limited	Sell	1,550.00 (AUD)	500 Ordinary Shares

2/14/2019	Morgan Stanley Australia Securities Limited	Sell	212.16 (AUD)	68 Ordinary Shares
2/14/2019	Morgan Stanley Australia Securities Limited	Sell	31.50 (AUD)	10 Ordinary Shares
2/14/2019	Morgan Stanley Australia Securities Limited	Sell	9.39 (AUD)	3 Ordinary Shares
2/14/2019	Morgan Stanley Australia Securities Limited	Sell	96.72 (AUD)	31 Ordinary Shares
2/14/2019	Morgan Stanley Capital Services LLC	Buy	N/A	2,861 Swaps
2/14/2019	Morgan Stanley Capital Services LLC	Buy	N/A	68 Swaps
2/15/2019	Morgan Stanley & Co. International plc	Buy	1,564.56	477 Ordinary Shares
2/15/2019	Morgan Stanley Australia Securities Limited	Buy	126.00 (AUD)	40 Ordinary Shares
2/15/2019	Morgan Stanley Australia Securities Limited	Buy	3.14 (AUD)	1 Ordinary Share
2/15/2019	Morgan Stanley Australia Securities Limited	Buy	4,509.32 (AUD)	1,427 Ordinary Shares
2/15/2019	Morgan Stanley Australia Securities Limited	Buy	72.22 (AUD)	23 Ordinary Shares
2/15/2019	Morgan Stanley Australia Securities Limited	Sell	12.56 (AUD)	4 Ordinary Shares
2/15/2019	Morgan Stanley Australia Securities Limited	Sell	2,417.80 (AUD)	770 Ordinary Shares
2/15/2019	Morgan Stanley Australia Securities Limited	Sell	201.60 (AUD)	64 Ordinary Shares
2/15/2019	Morgan Stanley Australia Securities Limited	Sell	301.44 (AUD)	96 Ordinary Shares
2/15/2019	Morgan Stanley Australia Securities Limited	Sell	496.12 (AUD)	157 Ordinary Shares
2/15/2019	Morgan Stanley Australia Securities Limited	Sell	59.66 (AUD)	19 Ordinary Shares
2/15/2019	Morgan Stanley Australia Securities Limited	Sell	7,676.55 (AUD)	2,437 Ordinary Shares
2/15/2019	Morgan Stanley Australia Securities Limited	Sell	726.80 (AUD)	230 Ordinary Shares
2/15/2019	Morgan Stanley Capital Services LLC	Buy	N/A	3,677 Swaps
2/15/2019	Morgan Stanley Capital Services LLC	Sell	N/A	477 Swaps
2/18/2019	Morgan Stanley & Co. International plc	Buy	4,257.44	1,298 Ordinary Shares
2/18/2019	Morgan Stanley Australia Securities Limited	Buy	1,174.95 (AUD)	373 Ordinary Shares
2/18/2019	Morgan Stanley Australia Securities Limited	Buy	4,120.64 (AUD)	1,304 Ordinary Shares
2/18/2019	Morgan Stanley Australia Securities Limited	Buy	6.30 (AUD)	2 Ordinary Shares
2/18/2019	Morgan Stanley Australia Securities Limited	Buy	85.59 (AUD)	27 Ordinary Shares
2/18/2019	Morgan Stanley Australia Securities Limited	Sell	18.90 (AUD)	6 Ordinary Shares
2/18/2019	Morgan Stanley Capital Services LLC	Buy	N/A	6 Swaps
2/18/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,298 Swaps
2/19/2019	Morgan Stanley & Co. International plc	Buy	16,104.76	4,911 Ordinary Shares
2/19/2019	Morgan Stanley & Co. International plc	Buy	56,728.64	17,286 Ordinary Shares
2/19/2019	Morgan Stanley & Co. International plc	Sell	N/A	17,286 Swaps
2/19/2019	Morgan Stanley Australia Securities Limited	Buy	3,887.32 (AUD)	1,238 Ordinary Shares
2/19/2019	Morgan Stanley Australia Securities Limited	Buy	3.15 (AUD)	1 Ordinary Share
2/19/2019	Morgan Stanley Australia Securities Limited	Buy	469.35 (AUD)	149 Ordinary Shares
2/19/2019	Morgan Stanley Australia Securities Limited	Sell	150.24 (AUD)	48 Ordinary Shares
2/19/2019	Morgan Stanley Australia Securities Limited	Sell	3.15 (AUD)	1 Ordinary Share
2/19/2019	Morgan Stanley Australia Securities Limited	Sell	65.73 (AUD)	21 Ordinary Shares
2/19/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,086 Swaps
2/20/2019	Morgan Stanley & Co. International plc	Buy	14,035.14	4,266 Ordinary Shares
2/20/2019	Morgan Stanley Australia Securities Limited	Buy	1,299.96 (AUD)	414 Ordinary Shares
2/20/2019	Morgan Stanley Australia Securities Limited	Buy	1,357.83 (AUD)	423 Ordinary Shares
2/20/2019	Morgan Stanley Australia Securities Limited	Buy	18.99 (AUD)	6 Ordinary Shares
2/20/2019	Morgan Stanley Australia Securities Limited	Buy	2,053.80 (AUD)	652 Ordinary Shares
2/20/2019	Morgan Stanley Australia Securities Limited	Buy	25.20 (AUD)	8 Ordinary Shares

2/20/2019	Morgan Stanley Australia Securities Limited	Buy	3.15 (AUD)	1 Ordinary Share
2/20/2019	Morgan Stanley Australia Securities Limited	Buy	3.15 (AUD)	1 Ordinary Share
2/20/2019	Morgan Stanley Australia Securities Limited	Buy	406.40 (AUD)	127 Ordinary Shares
2/20/2019	Morgan Stanley Australia Securities Limited	Buy	670.98 (AUD)	211 Ordinary Shares
2/20/2019	Morgan Stanley Australia Securities Limited	Buy	692.23 (AUD)	217 Ordinary Shares
2/20/2019	Morgan Stanley Australia Securities Limited	Buy	9.39 (AUD)	3 Ordinary Shares
2/20/2019	Morgan Stanley Australia Securities Limited	Sell	18.96 (AUD)	6 Ordinary Shares
2/20/2019	Morgan Stanley Australia Securities Limited	Sell	25.20 (AUD)	8 Ordinary Shares
2/20/2019	Morgan Stanley Australia Securities Limited	Sell	9.57 (AUD)	3 Ordinary Shares
2/20/2019	Morgan Stanley Capital Services LLC	Sell	N/A	2,062 Swaps
2/21/2019	Morgan Stanley & Co. International plc	Buy	6,550.00	2,000 Ordinary Shares
2/21/2019	Morgan Stanley & Co. International plc	Buy	N/A	500 Swaps
2/21/2019	Morgan Stanley & Co. International plc	Sell	1,652.50	500 Ordinary Shares
2/21/2019	Morgan Stanley & Co. International plc	Sell	15,747.13	4,591 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Buy	1,286.50 (AUD)	415 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Buy	1,321.60 (AUD)	413 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Buy	2,063.82 (AUD)	649 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Buy	2,272.04 (AUD)	719 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Buy	3,126.24 (AUD)	1,002 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Buy	3,458.65 (AUD)	1,105 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Buy	3,884.39 (AUD)	1,249 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Buy	317.73 (AUD)	102 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Buy	345.40 (AUD)	110 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Buy	361.04 (AUD)	113 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Buy	405.76 (AUD)	128 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Buy	5,882.36 (AUD)	1,844 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Buy	6,131.20 (AUD)	1,916 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Buy	634.81 (AUD)	199 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Buy	7,150.50 (AUD)	2,270 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Sell	1,158.40 (AUD)	362 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Sell	1,321.60 (AUD)	413 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Sell	1,598.19 (AUD)	501 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Sell	195.20 (AUD)	61 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Sell	3,715.31 (AUD)	1,187 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Sell	566.40 (AUD)	177 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Sell	6.22 (AUD)	2 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Sell	634.81 (AUD)	199 Ordinary Shares
2/21/2019	Morgan Stanley Australia Securities Limited	Sell	979.69 (AUD)	313 Ordinary Shares
2/21/2019	Morgan Stanley Capital Services LLC	Buy	N/A	61 Swaps
2/21/2019	Morgan Stanley Capital Services LLC	Sell	N/A	12,248 Swaps
2/22/2019	Morgan Stanley & Co. International plc	Buy	29,886.34	8,919 Ordinary Shares
2/22/2019	Morgan Stanley & Co. International plc	Buy	6.64	2 Ordinary Shares
2/22/2019	Morgan Stanley & Co. International plc	Buy	N/A	1,496 Swaps
2/22/2019	Morgan Stanley & Co. International plc	Buy	N/A	1,800 Swaps
2/22/2019	Morgan Stanley & Co. International plc	Buy	N/A	1,939 Swaps

2/22/2019	Morgan Stanley & Co. International plc	Buy	N/A	2,491 Swaps
2/22/2019	Morgan Stanley & Co. International plc	Buy	N/A	8,441 Swaps
2/22/2019	Morgan Stanley & Co. International plc	Sell	48,009.77	14,367 Ordinary Shares
2/22/2019	Morgan Stanley & Co. International plc	Sell	6,016.98	1,800 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Buy	1,052.70 (AUD)	330 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Buy	118.03 (AUD)	37 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Buy	2,354.67 (AUD)	729 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Buy	215.07 (AUD)	67 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Buy	3,830.40 (AUD)	1,197 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Buy	4,585.60 (AUD)	1,433 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Buy	400.16 (AUD)	122 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Buy	402.50 (AUD)	125 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Buy	416.58 (AUD)	131 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Buy	484.50 (AUD)	150 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Buy	6.32 (AUD)	2 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Buy	64.40 (AUD)	20 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Buy	811.44 (AUD)	252 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Buy	984.96 (AUD)	304 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Sell	1,068.93 (AUD)	333 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Sell	1,280.00 (AUD)	400 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Sell	115.20 (AUD)	36 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Sell	15.80 (AUD)	5 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Sell	15.95 (AUD)	5 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Sell	157.50 (AUD)	50 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Sell	204.16 (AUD)	64 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Sell	206.08 (AUD)	64 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Sell	213.06 (AUD)	67 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Sell	215.07 (AUD)	67 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Sell	31.60 (AUD)	10 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Sell	329.68 (AUD)	104 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Sell	6.32 (AUD)	2 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Sell	64.40 (AUD)	20 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Sell	79.00 (AUD)	25 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Sell	9.57 (AUD)	3 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Sell	92.51 (AUD)	29 Ordinary Shares
2/22/2019	Morgan Stanley Australia Securities Limited	Sell	96.30 (AUD)	30 Ordinary Shares
2/22/2019	Morgan Stanley Capital Services LLC	Buy	N/A	5 Swaps
2/22/2019	Morgan Stanley Capital Services LLC	Sell	N/A	3,700 Swaps
2/25/2019	Morgan Stanley & Co. International plc	Buy	12,215.01	3,688 Ordinary Shares
2/25/2019	Morgan Stanley & Co. International plc	Sell	1,798.20	540 Ordinary Shares
2/25/2019	Morgan Stanley Australia Securities Limited	Buy	3,383.52 (AUD)	1,064 Ordinary Shares
2/25/2019	Morgan Stanley Australia Securities Limited	Sell	592.00 (AUD)	185 Ordinary Shares
2/26/2019	Morgan Stanley & Co. International plc	Buy	3.31	1 Ordinary Share
2/26/2019	Morgan Stanley & Co. International plc	Buy	36,646.71	11,265 Ordinary Shares
2/26/2019	Morgan Stanley Australia Securities Limited	Buy	302.64 (AUD)	97 Ordinary Shares

2/26/2019	Morgan Stanley Australia Securities Limited	Sell	28.08 (AUD)	9 Ordinary Shares
2/26/2019	Morgan Stanley Australia Securities Limited	Sell	66.15 (AUD)	21 Ordinary Shares
2/27/2019	Morgan Stanley & Co. International plc	Buy	12.88	4 Ordinary Shares
2/27/2019	Morgan Stanley Australia Securities Limited	Buy	489.80 (AUD)	158 Ordinary Shares
2/27/2019	Morgan Stanley Australia Securities Limited	Sell	235.60 (AUD)	76 Ordinary Shares
2/27/2019	Morgan Stanley Australia Securities Limited	Sell	290.46 (AUD)	94 Ordinary Shares
2/27/2019	Morgan Stanley Australia Securities Limited	Sell	311.00 (AUD)	100 Ordinary Shares
2/27/2019	Morgan Stanley Australia Securities Limited	Sell	40.17 (AUD)	13 Ordinary Shares
2/27/2019	Morgan Stanley Australia Securities Limited	Sell	5,270.00 (AUD)	1,700 Ordinary Shares
2/27/2019	Morgan Stanley Australia Securities Limited	Sell	9.24 (AUD)	3 Ordinary Shares
2/28/2019	Morgan Stanley & Co. International plc	Buy	5,426.40	1,615 Ordinary Shares
2/28/2019	Morgan Stanley & Co. International plc	Buy	87.75	27 Ordinary Shares
2/28/2019	Morgan Stanley & Co. International plc	Sell	23,909.76	7,116 Ordinary Shares
2/28/2019	Morgan Stanley Australia Securities Limited	Buy	2,612.48 (AUD)	832 Ordinary Shares
2/28/2019	Morgan Stanley Australia Securities Limited	Buy	6.26 (AUD)	2 Ordinary Shares
2/28/2019	Morgan Stanley Australia Securities Limited	Sell	1,244.00 (AUD)	400 Ordinary Shares
2/28/2019	Morgan Stanley Australia Securities Limited	Sell	102.63 (AUD)	33 Ordinary Shares
2/28/2019	Morgan Stanley Australia Securities Limited	Sell	118.94 (AUD)	38 Ordinary Shares
2/28/2019	Morgan Stanley Australia Securities Limited	Sell	18.72 (AUD)	6 Ordinary Shares
2/28/2019	Morgan Stanley Australia Securities Limited	Sell	231.62 (AUD)	74 Ordinary Shares
2/28/2019	Morgan Stanley Australia Securities Limited	Sell	242.58 (AUD)	78 Ordinary Shares
2/28/2019	Morgan Stanley Australia Securities Limited	Sell	250.40 (AUD)	80 Ordinary Shares
2/28/2019	Morgan Stanley Australia Securities Limited	Sell	486.70 (AUD)	157 Ordinary Shares
2/28/2019	Morgan Stanley Australia Securities Limited	Sell	6.26 (AUD)	2 Ordinary Shares
2/28/2019	Morgan Stanley Australia Securities Limited	Sell	860.75 (AUD)	275 Ordinary Shares
2/28/2019	Morgan Stanley Capital Services LLC	Buy	N/A	315 Swaps
2/28/2019	Morgan Stanley Capital Services LLC	Buy	N/A	731 Swaps
2/28/2019	Morgan Stanley Capital Services LLC	Sell	N/A	731 Swaps
3/01/2019	Morgan Stanley & Co. International plc	Buy	15,689.88	4,772 Ordinary Shares
3/01/2019	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	1 Ordinary Shares
3/01/2019	Morgan Stanley Australia Securities Limited	Buy	176.96 (AUD)	56 Ordinary Shares
3/01/2019	Morgan Stanley Australia Securities Limited	Buy	2,926.16 (AUD)	926 Ordinary Shares
3/01/2019	Morgan Stanley Australia Securities Limited	Buy	79.00 (AUD)	25 Ordinary Shares
3/01/2019	Morgan Stanley Australia Securities Limited	Sell	1,387.24 (AUD)	439 Ordinary Shares
3/01/2019	Morgan Stanley Australia Securities Limited	Sell	433.84 (AUD)	136 Ordinary Shares
3/01/2019	Morgan Stanley Australia Securities Limited	Sell	74,803.52 (AUD)	23,672 Ordinary Shares
3/01/2019	Morgan Stanley Australia Securities Limited	Sell	79.00 (AUD)	25 Ordinary Shares
3/04/2019	Morgan Stanley & Co. International plc	Buy	12,352.98	3,722 Ordinary Shares
3/04/2019	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	1 Ordinary Share
3/04/2019	Morgan Stanley & Co. International plc	Sell	1,700,088.47	514,335 Ordinary Shares
3/04/2019	Morgan Stanley Australia Securities Limited	Buy	1,058.94 (AUD)	333 Ordinary Shares
3/04/2019	Morgan Stanley Australia Securities Limited	Buy	12.72 (AUD)	4 Ordinary Shares
3/04/2019	Morgan Stanley Australia Securities Limited	Buy	128.40 (AUD)	40 Ordinary Shares
3/04/2019	Morgan Stanley Australia Securities Limited	Buy	161.00 (AUD)	50 Ordinary Shares

3/04/2019	Morgan Stanley Australia Securities Limited	Buy	172.80 (AUD)	54 Ordinary Shares
3/04/2019	Morgan Stanley Australia Securities Limited	Buy	2,703.51 (AUD)	837 Ordinary Shares
3/04/2019	Morgan Stanley Australia Securities Limited	Buy	237.75 (AUD)	75 Ordinary Shares
3/04/2019	Morgan Stanley Australia Securities Limited	Buy	277.53 (AUD)	87 Ordinary Shares
3/04/2019	Morgan Stanley Australia Securities Limited	Buy	572.80 (AUD)	179 Ordinary Shares
3/04/2019	Morgan Stanley Australia Securities Limited	Sell	1,338.57 (AUD)	417 Ordinary Shares
3/04/2019	Morgan Stanley Australia Securities Limited	Sell	1,545.48 (AUD)	486 Ordinary Shares
3/04/2019	Morgan Stanley Australia Securities Limited	Sell	12.72 (AUD)	4 Ordinary Shares
3/04/2019	Morgan Stanley Australia Securities Limited	Sell	15,556.56 (AUD)	4,892 Ordinary Shares
3/04/2019	Morgan Stanley Australia Securities Limited	Sell	2,613.96 (AUD)	822 Ordinary Shares
3/04/2019	Morgan Stanley Australia Securities Limited	Sell	46,780.80 (AUD)	14,619 Ordinary Shares
3/04/2019	Morgan Stanley Australia Securities Limited	Sell	572.80 (AUD)	179 Ordinary Shares
3/04/2019	Morgan Stanley Capital Services LLC	Buy	N/A	822 Swaps
3/05/2019	Morgan Stanley & Co. International plc	Buy	4,583.70	1,389 Ordinary Shares
3/05/2019	Morgan Stanley & Co. International plc	Buy	5,398.70	1,644 Ordinary Shares
3/05/2019	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	1 Ordinary Shares
3/05/2019	Morgan Stanley & Co. International plc	Sell	527,150.00	160,000 Ordinary Shares
3/05/2019	Morgan Stanley & Co. International plc	Sell	N/A	147 Swaps
3/05/2019	Morgan Stanley & Co. International plc	Sell	N/A	190 Swaps
3/05/2019	Morgan Stanley & Co. International plc	Sell	N/A	224 Swaps
3/05/2019	Morgan Stanley & Co. International plc	Sell	N/A	828 Swaps
3/05/2019	Morgan Stanley Australia Securities Limited	Buy	1,464.54 (AUD)	462 Ordinary Shares
3/05/2019	Morgan Stanley Australia Securities Limited	Buy	12.68 (AUD)	4 Ordinary Shares
3/05/2019	Morgan Stanley Australia Securities Limited	Buy	129.97 (AUD)	41 Ordinary Shares
3/05/2019	Morgan Stanley Australia Securities Limited	Buy	2,650.12 (AUD)	836 Ordinary Shares
3/05/2019	Morgan Stanley Australia Securities Limited	Buy	63.20 (AUD)	20 Ordinary Shares
3/05/2019	Morgan Stanley Australia Securities Limited	Sell	1,464.54 (AUD)	462 Ordinary Shares
3/05/2019	Morgan Stanley Australia Securities Limited	Sell	12.68 (AUD)	4 Ordinary Shares
3/05/2019	Morgan Stanley Australia Securities Limited	Sell	164.84 (AUD)	52 Ordinary Shares
3/05/2019	Morgan Stanley Australia Securities Limited	Sell	2,140.49 (AUD)	671 Ordinary Shares
3/05/2019	Morgan Stanley Australia Securities Limited	Sell	3,460.20 (AUD)	1,095 Ordinary Shares
3/05/2019	Morgan Stanley Australia Securities Limited	Sell	3,702.56 (AUD)	1,168 Ordinary Shares
3/05/2019	Morgan Stanley Australia Securities Limited	Sell	4,728.66 (AUD)	1,487 Ordinary Shares
3/05/2019	Morgan Stanley Australia Securities Limited	Sell	55,647.60 (AUD)	17,610 Ordinary Shares
3/05/2019	Morgan Stanley Capital Services LLC	Buy	N/A	56 Swaps
3/06/2019	Morgan Stanley & Co. International plc	Buy	4,935.64	1,514 Ordinary Shares
3/06/2019	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	1 Ordinary Share
3/06/2019	Morgan Stanley & Co. International plc	Sell	3.27	1 Ordinary Share
3/06/2019	Morgan Stanley Australia Securities Limited	Buy	4,180.05 (AUD)	1,327 Ordinary Shares
3/06/2019	Morgan Stanley Australia Securities Limited	Buy	890.77 (AUD)	281 Ordinary Shares
3/06/2019	Morgan Stanley Australia Securities Limited	Sell	13,929.21 (AUD)	4,429 Ordinary Shares
3/06/2019	Morgan Stanley Australia Securities Limited	Sell	3.15 (AUD)	1 Ordinary Share
3/06/2019	Morgan Stanley Australia Securities Limited	Sell	33,192.94 (AUD)	10,571 Ordinary Shares
3/06/2019	Morgan Stanley Australia Securities Limited	Sell	43.82 (AUD)	14 Ordinary Shares

3/06/2019	Morgan Stanley Australia Securities Limited	Sell	6.28 (AUD)	2 Ordinary Shares
3/06/2019	Morgan Stanley Australia Securities Limited	Sell	7,522.32 (AUD)	2,411 Ordinary Shares
3/06/2019	Morgan Stanley Australia Securities Limited	Sell	8,077.68 (AUD)	2,589 Ordinary Shares
3/06/2019	Morgan Stanley Capital Services LLC	Sell	N/A	281 Swaps
3/07/2019	Morgan Stanley & Co. International plc	Buy	3,466.34	1,061 Ordinary Shares
3/07/2019	Morgan Stanley & Co. International plc	Buy	3,959.82	1,207 Ordinary Shares
3/07/2019	Morgan Stanley & Co. International plc	Buy	N/A	500 Swaps
3/07/2019	Morgan Stanley & Co. International plc	Sell	1,634.40	500 Ordinary Shares
3/07/2019	Morgan Stanley & Co. International plc	Sell	6.57	2 Ordinary Shares
3/07/2019	Morgan Stanley & Co. International plc	Sell	9,698.30	2,930 Ordinary Shares
3/07/2019	Morgan Stanley & Co. International plc	Sell	N/A	112 Swaps
3/07/2019	Morgan Stanley & Co. International plc	Sell	N/A	145 Swaps
3/07/2019	Morgan Stanley & Co. International plc	Sell	N/A	171 Swaps
3/07/2019	Morgan Stanley & Co. International plc	Sell	N/A	633 Swaps
3/07/2019	Morgan Stanley Australia Securities Limited	Buy	1,915.56 (AUD)	612 Ordinary Shares
3/07/2019	Morgan Stanley Australia Securities Limited	Buy	15.75 (AUD)	5 Ordinary Shares
3/07/2019	Morgan Stanley Australia Securities Limited	Buy	810.67 (AUD)	259 Ordinary Shares
3/07/2019	Morgan Stanley Australia Securities Limited	Sell	11,066.32 (AUD)	3,502 Ordinary Shares
3/07/2019	Morgan Stanley Australia Securities Limited	Sell	23,031.90 (AUD)	7,335 Ordinary Shares
3/07/2019	Morgan Stanley Australia Securities Limited	Sell	4,733.68 (AUD)	1,498 Ordinary Shares
3/07/2019	Morgan Stanley Australia Securities Limited	Sell	46.95 (AUD)	15 Ordinary Shares
3/07/2019	Morgan Stanley Australia Securities Limited	Sell	55,468.10 (AUD)	17,665 Ordinary Shares
3/07/2019	Morgan Stanley Capital Services LLC	Sell	N/A	259 Swaps
3/07/2019	Morgan Stanley Capital Services LLC	Sell	N/A	597 Swaps
3/08/2019	Morgan Stanley & Co. International plc	Buy	7,673.02	2,350 Ordinary Shares
3/08/2019	Morgan Stanley & Co. International plc	Buy	N/A	600 Swaps
3/08/2019	Morgan Stanley & Co. International plc	Sell	1,958.27	600 Ordinary Shares
3/08/2019	Morgan Stanley & Co. International plc	Sell	11,144.10	3,377 Ordinary Shares
3/08/2019	Morgan Stanley & Co. International plc	Sell	3.28	1 Ordinary Share
3/08/2019	Morgan Stanley Australia Securities Limited	Buy	22.12 (AUD)	7 Ordinary Shares
3/08/2019	Morgan Stanley Australia Securities Limited	Buy	44.10 (AUD)	14 Ordinary Shares
3/08/2019	Morgan Stanley Australia Securities Limited	Buy	6.32 (AUD)	2 Ordinary Shares
3/08/2019	Morgan Stanley Australia Securities Limited	Sell	154.35 (AUD)	49 Ordinary Shares
3/08/2019	Morgan Stanley Australia Securities Limited	Sell	164.32 (AUD)	52 Ordinary Shares
3/08/2019	Morgan Stanley Australia Securities Limited	Sell	22.12 (AUD)	7 Ordinary Shares
3/08/2019	Morgan Stanley Australia Securities Limited	Sell	3,137.88 (AUD)	993 Ordinary Shares
3/08/2019	Morgan Stanley Australia Securities Limited	Sell	31,402.35 (AUD)	9,969 Ordinary Shares
3/08/2019	Morgan Stanley Australia Securities Limited	Sell	318.15 (AUD)	101 Ordinary Shares
3/08/2019	Morgan Stanley Australia Securities Limited	Sell	7,259.68 (AUD)	2,312 Ordinary Shares
3/08/2019	Morgan Stanley Australia Securities Limited	Sell	8,440.32 (AUD)	2,688 Ordinary Shares
3/08/2019	Morgan Stanley Capital Services LLC	Buy	N/A	101 Swaps
3/08/2019	Morgan Stanley Capital Services LLC	Buy	N/A	52 Swaps
3/11/2019	Morgan Stanley & Co. International plc	Buy	6,095.64	1,896 Ordinary Shares
3/11/2019	Morgan Stanley & Co. International plc	Sell	1,198.33	371 Ordinary Shares
3/11/2019	Morgan Stanley & Co. International plc	Sell	9.67	3 Ordinary Shares

3/11/2019	Morgan Stanley Australia Securities Limited	Buy	34.21 (AUD)	11 Ordinary Shares
3/11/2019	Morgan Stanley Australia Securities Limited	Buy	433.68 (AUD)	139 Ordinary Shares
3/11/2019	Morgan Stanley Australia Securities Limited	Buy	976.50 (AUD)	315 Ordinary Shares
3/11/2019	Morgan Stanley Capital Services LLC	Sell	N/A	52 Swaps
3/12/2019	Morgan Stanley & Co. International plc	Buy	3,482.14	1,072 Ordinary Shares
3/12/2019	Morgan Stanley & Co. International plc	Collateral Received	N/A	131 Ordinary Shares
3/12/2019	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	132 Ordinary Shares
3/12/2019	Morgan Stanley & Co. International plc	Sell	83,786.22	25,914 Ordinary Shares
3/12/2019	Morgan Stanley Australia Securities Limited	Buy	3,883.95 (AUD)	1,233 Ordinary Shares
3/12/2019	Morgan Stanley Australia Securities Limited	Buy	741.04 (AUD)	236 Ordinary Shares
3/12/2019	Morgan Stanley Australia Securities Limited	Sell	337.05 (AUD)	107 Ordinary Shares
3/12/2019	Morgan Stanley Capital Services LLC	Buy	N/A	25,914 Swaps
3/13/2019	Morgan Stanley & Co. International plc	Buy	2,717.37	831 Ordinary Shares
3/13/2019	Morgan Stanley & Co. International plc	Buy	N/A	1,600 Swaps
3/13/2019	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	1 Ordinary Share
3/13/2019	Morgan Stanley & Co. International plc	Sell	5,248.00	1,600 Ordinary Shares
3/13/2019	Morgan Stanley Australia Securities Limited	Buy	12.72 (AUD)	4 Ordinary Shares
3/13/2019	Morgan Stanley Australia Securities Limited	Buy	127.92 (AUD)	41 Ordinary Shares
3/13/2019	Morgan Stanley Australia Securities Limited	Buy	2,643.20 (AUD)	826 Ordinary Shares
3/13/2019	Morgan Stanley Australia Securities Limited	Buy	2,655.94 (AUD)	854 Ordinary Shares
3/13/2019	Morgan Stanley Australia Securities Limited	Buy	46.65 (AUD)	15 Ordinary Shares
3/13/2019	Morgan Stanley Australia Securities Limited	Sell	127.92 (AUD)	41 Ordinary Shares
3/13/2019	Morgan Stanley Australia Securities Limited	Sell	13,982.76 (AUD)	4,356 Ordinary Shares
3/13/2019	Morgan Stanley Australia Securities Limited	Sell	2,856.90 (AUD)	890 Ordinary Shares
3/13/2019	Morgan Stanley Australia Securities Limited	Sell	392.46 (AUD)	124 Ordinary Shares
3/13/2019	Morgan Stanley Australia Securities Limited	Sell	40.56 (AUD)	13 Ordinary Shares
3/13/2019	Morgan Stanley Australia Securities Limited	Sell	519.37 (AUD)	167 Ordinary Shares
3/13/2019	Morgan Stanley Australia Securities Limited	Sell	62.20 (AUD)	20 Ordinary Shares
3/14/2019	Morgan Stanley & Co. International plc	Buy	10,214.68	3,156 Ordinary Shares
3/14/2019	Morgan Stanley & Co. International plc	Sell	7,349.86	2,234 Ordinary Shares
3/14/2019	Morgan Stanley Australia Securities Limited	Sell	25.24 (AUD)	8 Ordinary Shares
3/14/2019	Morgan Stanley Australia Securities Limited	Sell	25.56 (AUD)	8 Ordinary Shares
3/14/2019	Morgan Stanley Australia Securities Limited	Sell	3.22 (AUD)	1 Ordinary Share
3/14/2019	Morgan Stanley Australia Securities Limited	Sell	42,634.92 (AUD)	13,578 Ordinary Shares
3/14/2019	Morgan Stanley Australia Securities Limited	Sell	47.10 (AUD)	15 Ordinary Shares
3/14/2019	Morgan Stanley Australia Securities Limited	Sell	53.21 (AUD)	17 Ordinary Shares
3/14/2019	Morgan Stanley Australia Securities Limited	Sell	64.00 (AUD)	20 Ordinary Shares
3/14/2019	Morgan Stanley Australia Securities Limited	Sell	810.12 (AUD)	258 Ordinary Shares
3/14/2019	Morgan Stanley Capital Services LLC	Buy	N/A	258 Swaps
3/15/2019	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	1 Ordinary Shares
3/15/2019	Morgan Stanley & Co. International plc	Sell	112,775.01	34,071 Ordinary Shares
3/15/2019	Morgan Stanley & Co. International plc	Sell	157,308.00	47,532 Ordinary Shares
3/15/2019	Morgan Stanley & Co. International plc	Sell	3,058.44	924 Ordinary Shares

3/15/2019	Morgan Stanley & Co. International plc	Sell	73,002.45	22,095 Ordinary Shares
3/15/2019	Morgan Stanley Australia Securities Limited	Buy	1,017.57 (AUD)	321 Ordinary Shares
3/15/2019	Morgan Stanley Australia Securities Limited	Buy	19.08 (AUD)	6 Ordinary Shares
3/15/2019	Morgan Stanley Australia Securities Limited	Buy	3.18 (AUD)	1 Ordinary Share
3/15/2019	Morgan Stanley Australia Securities Limited	Buy	6,230.40 (AUD)	1,947 Ordinary Shares
3/15/2019	Morgan Stanley Australia Securities Limited	Sell	104.61 (AUD)	33 Ordinary Shares
3/15/2019	Morgan Stanley Australia Securities Limited	Sell	19.02 (AUD)	6 Ordinary Shares
3/15/2019	Morgan Stanley Australia Securities Limited	Sell	19.08 (AUD)	6 Ordinary Shares
3/15/2019	Morgan Stanley Australia Securities Limited	Sell	224.36 (AUD)	71 Ordinary Shares
3/15/2019	Morgan Stanley Australia Securities Limited	Sell	57,523.02 (AUD)	18,089 Ordinary Shares
3/15/2019	Morgan Stanley Capital Services LLC	Buy	N/A	22,095 Swaps
3/15/2019	Morgan Stanley Capital Services LLC	Buy	N/A	25,914 Swaps
3/15/2019	Morgan Stanley Capital Services LLC	Buy	N/A	47,532 Swaps
3/15/2019	Morgan Stanley Capital Services LLC	Buy	N/A	6 Swaps
3/15/2019	Morgan Stanley Capital Services LLC	Sell	N/A	25,914 Swaps
3/15/2019	Morgan Stanley Capital Services LLC	Sell	N/A	6 Swaps
3/18/2019	Morgan Stanley & Co. International plc	Buy	5,047.88	1,558 Ordinary Shares
3/18/2019	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	299 Ordinary Shares
3/18/2019	Morgan Stanley Australia Securities Limited	Buy	3.11 (AUD)	1 Ordinary Share
3/18/2019	Morgan Stanley Australia Securities Limited	Buy	5,634.00 (AUD)	1,800 Ordinary Shares
3/18/2019	Morgan Stanley Australia Securities Limited	Buy	8,776.52 (AUD)	2,804 Ordinary Shares
3/18/2019	Morgan Stanley Australia Securities Limited	Sell	19.02 (AUD)	6 Ordinary Shares
3/18/2019	Morgan Stanley Australia Securities Limited	Sell	190.20 (AUD)	60 Ordinary Shares
3/18/2019	Morgan Stanley Capital Services LLC	Buy	N/A	59 Swaps
3/18/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,558 Swaps
3/19/2019	Morgan Stanley & Co. International plc	Collateral Returned	N/A	131 Ordinary Shares
3/19/2019	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	69 Ordinary Shares
3/19/2019	Morgan Stanley & Co. International plc	Sell	14,156.01	4,345 Ordinary Shares
3/19/2019	Morgan Stanley Australia Securities Limited	Buy	1,739.56 (AUD)	554 Ordinary Shares
3/19/2019	Morgan Stanley Australia Securities Limited	Buy	3.11 (AUD)	1 Ordinary Share
3/19/2019	Morgan Stanley Australia Securities Limited	Buy	4,737.60 (AUD)	1,504 Ordinary Shares
3/19/2019	Morgan Stanley Australia Securities Limited	Buy	72.22 (AUD)	23 Ordinary Shares
3/19/2019	Morgan Stanley Australia Securities Limited	Sell	165.89 (AUD)	53 Ordinary Shares
3/19/2019	Morgan Stanley Australia Securities Limited	Sell	2,198.00 (AUD)	700 Ordinary Shares
3/19/2019	Morgan Stanley Australia Securities Limited	Sell	21.95 (AUD)	7 Ordinary Shares
3/19/2019	Morgan Stanley Australia Securities Limited	Sell	3.15 (AUD)	1 Ordinary Share
3/19/2019	Morgan Stanley Australia Securities Limited	Sell	472.50 (AUD)	150 Ordinary Shares
3/19/2019	Morgan Stanley Australia Securities Limited	Sell	50,838.71 (AUD)	16,223 Ordinary Shares
3/19/2019	Morgan Stanley Australia Securities Limited	Sell	59.66 (AUD)	19 Ordinary Shares
3/19/2019	Morgan Stanley Australia Securities Limited	Sell	72.22 (AUD)	23 Ordinary Shares
3/19/2019	Morgan Stanley Capital Services LLC	Buy	N/A	150 Swaps
3/19/2019	Morgan Stanley Capital Services LLC	Buy	N/A	4,345 Swaps
3/19/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1 Swap
3/20/2019	Morgan Stanley & Co. International plc	Buy	4,521.17	1,403 Ordinary Shares

3/20/2019	Morgan Stanley Australia Securities Limited	Buy	6,025.25 (AUD)	1,925 Ordinary Shares
3/20/2019	Morgan Stanley Australia Securities Limited	Sell	1,560.00 (AUD)	500 Ordinary Shares
3/20/2019	Morgan Stanley Australia Securities Limited	Sell	34,426.87 (AUD)	10,999 Ordinary Shares
3/20/2019	Morgan Stanley Australia Securities Limited	Sell	35,594.36 (AUD)	11,372 Ordinary Shares
3/20/2019	Morgan Stanley Australia Securities Limited	Sell	5,532.68 (AUD)	1,762 Ordinary Shares
3/20/2019	Morgan Stanley Australia Securities Limited	Sell	65.73 (AUD)	21 Ordinary Shares
3/20/2019	Morgan Stanley Australia Securities Limited	Sell	935.87 (AUD)	299 Ordinary Shares
3/20/2019	Morgan Stanley Capital Services LLC	Buy	N/A	320 Swaps
3/20/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,403 Swaps
3/21/2019	Morgan Stanley & Co. International plc	Buy	4,547.84	1,408 Ordinary Shares
3/21/2019	Morgan Stanley Australia Securities Limited	Buy	12,244.56 (AUD)	3,912 Ordinary Shares
3/21/2019	Morgan Stanley Australia Securities Limited	Buy	18.60 (AUD)	6 Ordinary Shares
3/21/2019	Morgan Stanley Australia Securities Limited	Buy	32,238.96 (AUD)	10,333 Ordinary Shares
3/21/2019	Morgan Stanley Australia Securities Limited	Buy	989.08 (AUD)	316 Ordinary Shares
3/21/2019	Morgan Stanley Australia Securities Limited	Sell	1,878.00 (AUD)	600 Ordinary Shares
3/21/2019	Morgan Stanley Australia Securities Limited	Sell	12,244.56 (AUD)	3,912 Ordinary Shares
3/21/2019	Morgan Stanley Australia Securities Limited	Sell	47,153.45 (AUD)	15,065 Ordinary Shares
3/21/2019	Morgan Stanley Australia Securities Limited	Sell	47,460.19 (AUD)	15,163 Ordinary Shares
3/21/2019	Morgan Stanley Australia Securities Limited	Sell	56.52 (AUD)	18 Ordinary Shares
3/21/2019	Morgan Stanley Australia Securities Limited	Sell	69.08 (AUD)	22 Ordinary Shares
3/21/2019	Morgan Stanley Capital Services LLC	Buy	N/A	40 Swaps
3/21/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,408 Swaps
3/21/2019	Morgan Stanley Capital Services LLC	Sell	N/A	6 Swaps
3/22/2019	Morgan Stanley & Co. International plc	Buy	8,456.50	2,602 Ordinary Shares
3/22/2019	Morgan Stanley Australia Securities Limited	Buy	1,764.68 (AUD)	562 Ordinary Shares
3/22/2019	Morgan Stanley Australia Securities Limited	Sell	1,764.68 (AUD)	562 Ordinary Shares
3/22/2019	Morgan Stanley Australia Securities Limited	Sell	15,650.00 (AUD)	5,000 Ordinary Shares
3/22/2019	Morgan Stanley Australia Securities Limited	Sell	19,971.00 (AUD)	6,340 Ordinary Shares
3/22/2019	Morgan Stanley Australia Securities Limited	Sell	21,785.32 (AUD)	6,938 Ordinary Shares
3/22/2019	Morgan Stanley Australia Securities Limited	Sell	43,029.00 (AUD)	13,660 Ordinary Shares
3/22/2019	Morgan Stanley Australia Securities Limited	Sell	436.46 (AUD)	139 Ordinary Shares
3/22/2019	Morgan Stanley Capital Services LLC	Sell	N/A	2,602 Swaps
3/22/2019	Morgan Stanley Capital Services LLC	Sell	N/A	242 Swaps
3/25/2019	Morgan Stanley & Co. International plc	Buy	5,233.09	1,639 Ordinary Shares
3/25/2019	Morgan Stanley & Co. International plc	Buy	N/A	300 Swaps
3/25/2019	Morgan Stanley & Co. International plc	Sell	957.41	300 Ordinary Shares
3/25/2019	Morgan Stanley Australia Securities Limited	Sell	412.30 (AUD)	133 Ordinary Shares
3/25/2019	Morgan Stanley Australia Securities Limited	Sell	482.05 (AUD)	155 Ordinary Shares
3/25/2019	Morgan Stanley Australia Securities Limited	Sell	51,345.30 (AUD)	16,563 Ordinary Shares
3/25/2019	Morgan Stanley Australia Securities Limited	Sell	6,637.40 (AUD)	2,155 Ordinary Shares
3/25/2019	Morgan Stanley Australia Securities Limited	Sell	600.23 (AUD)	193 Ordinary Shares
3/25/2019	Morgan Stanley Capital Services LLC	Buy	N/A	193 Swaps
3/25/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,639 Swaps
3/26/2019	Morgan Stanley & Co. International plc	Buy	6,689.23	2,141 Ordinary Shares
3/26/2019	Morgan Stanley & Co. International plc	Buy	N/A	1,100 Swaps

3/26/2019	Morgan Stanley & Co. International plc	Sell	3,442.53	1,100 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Buy	1,515.00 (AUD)	500 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	1,002.93 (AUD)	331 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	1,108.27 (AUD)	361 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	1,277.95 (AUD)	419 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	1,407.60 (AUD)	460 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	112.85 (AUD)	37 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	146.88 (AUD)	48 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	17,869.95 (AUD)	5,859 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	2,671.80 (AUD)	876 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	2,821.32 (AUD)	922 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	3,693.57 (AUD)	1,219 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	3.07 (AUD)	1 Ordinary Share
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	3.08 (AUD)	1 Ordinary Share
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	328.49 (AUD)	107 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	33.66 (AUD)	11 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	506.76 (AUD)	164 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	51.51 (AUD)	17 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	572.22 (AUD)	187 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	67.10 (AUD)	22 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	76.50 (AUD)	25 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	79.82 (AUD)	26 Ordinary Shares
3/26/2019	Morgan Stanley Australia Securities Limited	Sell	893.76 (AUD)	294 Ordinary Shares
3/26/2019	Morgan Stanley Capital Services LLC	Buy	N/A	4,209 Swaps
3/26/2019	Morgan Stanley Capital Services LLC	Buy	N/A	71 Swaps
3/26/2019	Morgan Stanley Capital Services LLC	Buy	N/A	712 Swaps
3/26/2019	Morgan Stanley Capital Services LLC	Sell	N/A	2,141 Swaps
3/27/2019	Morgan Stanley & Co. International plc	Buy	620,620.00	200,000 Ordinary Shares
3/27/2019	Morgan Stanley & Co. International plc	Buy	7,569.14	2,444 Ordinary Shares
3/27/2019	Morgan Stanley Australia Securities Limited	Buy	32.67 (AUD)	11 Ordinary Shares
3/27/2019	Morgan Stanley Australia Securities Limited	Buy	628.35 (AUD)	213 Ordinary Shares
3/27/2019	Morgan Stanley Australia Securities Limited	Buy	73.75 (AUD)	25 Ordinary Shares
3/27/2019	Morgan Stanley Australia Securities Limited	Sell	14,835.15 (AUD)	4,995 Ordinary Shares
3/27/2019	Morgan Stanley Australia Securities Limited	Sell	147.49 (AUD)	49 Ordinary Shares
3/27/2019	Morgan Stanley Australia Securities Limited	Sell	18.30 (AUD)	6 Ordinary Shares
3/27/2019	Morgan Stanley Australia Securities Limited	Sell	2,153.50 (AUD)	730 Ordinary Shares
3/27/2019	Morgan Stanley Australia Securities Limited	Sell	2,592.96 (AUD)	876 Ordinary Shares
3/27/2019	Morgan Stanley Australia Securities Limited	Sell	2,926.40 (AUD)	992 Ordinary Shares
3/27/2019	Morgan Stanley Australia Securities Limited	Sell	2.98 (AUD)	1 Ordinary Share
3/27/2019	Morgan Stanley Australia Securities Limited	Sell	32.67 (AUD)	11 Ordinary Shares
3/27/2019	Morgan Stanley Australia Securities Limited	Sell	324.00 (AUD)	108 Ordinary Shares
3/27/2019	Morgan Stanley Australia Securities Limited	Sell	439.20 (AUD)	144 Ordinary Shares
3/27/2019	Morgan Stanley Australia Securities Limited	Sell	6,257.79 (AUD)	2,107 Ordinary Shares
3/27/2019	Morgan Stanley Australia Securities Limited	Sell	8,212.05 (AUD)	2,765 Ordinary Shares
3/27/2019	Morgan Stanley Australia Securities Limited	Sell	8,924.85 (AUD)	3,005 Ordinary Shares

3/27/2019	Morgan Stanley Capital Services LLC	Buy	N/A	4,789 Swaps
3/27/2019	Morgan Stanley Capital Services LLC	Sell	N/A	2,444 Swaps
3/27/2019	Morgan Stanley Capital Services LLC	Sell	N/A	213 Swaps
3/27/2019	Morgan Stanley Capital Services LLC	Sell	N/A	36 Swaps
3/28/2019	Morgan Stanley & Co. International plc	Buy	1,706,925.00	550,000 Ordinary Shares
3/28/2019	Morgan Stanley & Co. International plc	Buy	3,748.17	1,213 Ordinary Shares
3/28/2019	Morgan Stanley & Co. International plc	Buy	6,185.88	2,001 Ordinary Shares
3/28/2019	Morgan Stanley & Co. International plc	Sell	N/A	128 Swaps
3/28/2019	Morgan Stanley & Co. International plc	Sell	N/A	166 Swaps
3/28/2019	Morgan Stanley & Co. International plc	Sell	N/A	196 Swaps
3/28/2019	Morgan Stanley & Co. International plc	Sell	N/A	723 Swaps
3/28/2019	Morgan Stanley Australia Securities Limited	Buy	1,418.48 (AUD)	476 Ordinary Shares
3/28/2019	Morgan Stanley Australia Securities Limited	Buy	2.95 (AUD)	1 Ordinary Share
3/28/2019	Morgan Stanley Australia Securities Limited	Buy	32.78 (AUD)	11 Ordinary Shares
3/28/2019	Morgan Stanley Australia Securities Limited	Buy	74.50 (AUD)	25 Ordinary Shares
3/28/2019	Morgan Stanley Australia Securities Limited	Sell	1,271.16 (AUD)	428 Ordinary Shares
3/28/2019	Morgan Stanley Australia Securities Limited	Sell	1,388.68 (AUD)	466 Ordinary Shares
3/28/2019	Morgan Stanley Australia Securities Limited	Sell	1,536.95 (AUD)	521 Ordinary Shares
3/28/2019	Morgan Stanley Australia Securities Limited	Sell	1,538.08 (AUD)	517 Ordinary Shares
3/28/2019	Morgan Stanley Australia Securities Limited	Sell	1,683.99 (AUD)	567 Ordinary Shares
3/28/2019	Morgan Stanley Australia Securities Limited	Sell	14,750.00 (AUD)	5,000 Ordinary Shares
3/28/2019	Morgan Stanley Australia Securities Limited	Sell	23,284.80 (AUD)	7,840 Ordinary Shares
3/28/2019	Morgan Stanley Australia Securities Limited	Sell	267.30 (AUD)	90 Ordinary Shares
3/28/2019	Morgan Stanley Australia Securities Limited	Sell	3,167.20 (AUD)	1,070 Ordinary Shares
3/28/2019	Morgan Stanley Australia Securities Limited	Sell	35,543.68 (AUD)	12,008 Ordinary Shares
3/28/2019	Morgan Stanley Australia Securities Limited	Sell	464,754.84 (AUD)	155,958 Ordinary Shares
3/28/2019	Morgan Stanley Australia Securities Limited	Sell	53,256.32 (AUD)	17,992 Ordinary Shares
3/28/2019	Morgan Stanley Australia Securities Limited	Sell	539.38 (AUD)	181 Ordinary Shares
3/28/2019	Morgan Stanley Australia Securities Limited	Sell	565.36 (AUD)	191 Ordinary Shares
3/28/2019	Morgan Stanley Australia Securities Limited	Sell	6,415.20 (AUD)	2,160 Ordinary Shares
3/28/2019	Morgan Stanley Australia Securities Limited	Sell	62.58 (AUD)	21 Ordinary Shares
3/28/2019	Morgan Stanley Australia Securities Limited	Sell	867.28 (AUD)	293 Ordinary Shares
3/28/2019	Morgan Stanley Capital Services LLC	Buy	N/A	1,227 Swaps
3/28/2019	Morgan Stanley Capital Services LLC	Buy	N/A	2,675 Swaps
3/28/2019	Morgan Stanley Capital Services LLC	Sell	N/A	2,001 Swaps
3/28/2019	Morgan Stanley Capital Services LLC	Sell	N/A	35 Swaps
3/28/2019	Morgan Stanley Capital Services LLC	Sell	N/A	501 Swaps
3/29/2019	Morgan Stanley & Co. International plc	Buy	20,966.04	6,753 Ordinary Shares
3/29/2019	Morgan Stanley & Co. International plc	Buy	3,796.69	1,213 Ordinary Shares
3/29/2019	Morgan Stanley & Co. International plc	Sell	N/A	128 Swaps
3/29/2019	Morgan Stanley & Co. International plc	Sell	N/A	166 Swaps
3/29/2019	Morgan Stanley & Co. International plc	Sell	N/A	196 Swaps
3/29/2019	Morgan Stanley & Co. International plc	Sell	N/A	723 Swaps
3/29/2019	Morgan Stanley Australia Securities Limited	Buy	35.76 (AUD)	12 Ordinary Shares
3/29/2019	Morgan Stanley Australia Securities Limited	Buy	39.39 (AUD)	13 Ordinary Shares

3/29/2019	Morgan Stanley Australia Securities Limited	Sell	1,567.83 (AUD)	527 Ordinary Shares
3/29/2019	Morgan Stanley Australia Securities Limited	Sell	197.60 (AUD)	65 Ordinary Shares
3/29/2019	Morgan Stanley Australia Securities Limited	Sell	264.02 (AUD)	86 Ordinary Shares
3/29/2019	Morgan Stanley Australia Securities Limited	Sell	298.98 (AUD)	99 Ordinary Shares
3/29/2019	Morgan Stanley Australia Securities Limited	Sell	299.00 (AUD)	100 Ordinary Shares
3/29/2019	Morgan Stanley Australia Securities Limited	Sell	39.39 (AUD)	13 Ordinary Shares
3/29/2019	Morgan Stanley Australia Securities Limited	Sell	577.07 (AUD)	193 Ordinary Shares
3/29/2019	Morgan Stanley Australia Securities Limited	Sell	793.86 (AUD)	262 Ordinary Shares
3/29/2019	Morgan Stanley Capital Services LLC	Buy	N/A	1,245 Swaps
3/29/2019	Morgan Stanley Capital Services LLC	Buy	N/A	100 Swaps
3/29/2019	Morgan Stanley Capital Services LLC	Sell	N/A	13 Swaps
4/01/2019	Morgan Stanley & Co. International plc	Buy	3,816.87	1,173 Ordinary Shares
4/01/2019	Morgan Stanley Australia Securities Limited	Buy	781.28 (AUD)	257 Ordinary Shares
4/01/2019	Morgan Stanley Australia Securities Limited	Sell	106.42 (AUD)	34 Ordinary Shares
4/01/2019	Morgan Stanley Australia Securities Limited	Sell	252.32 (AUD)	81 Ordinary Shares
4/01/2019	Morgan Stanley Australia Securities Limited	Sell	273.68 (AUD)	88 Ordinary Shares
4/01/2019	Morgan Stanley Australia Securities Limited	Sell	43.68 (AUD)	14 Ordinary Shares
4/01/2019	Morgan Stanley Australia Securities Limited	Sell	461.76 (AUD)	148 Ordinary Shares
4/01/2019	Morgan Stanley Australia Securities Limited	Sell	536.30 (AUD)	173 Ordinary Shares
4/01/2019	Morgan Stanley Australia Securities Limited	Sell	86.52 (AUD)	28 Ordinary Shares
4/01/2019	Morgan Stanley Australia Securities Limited	Sell	9.36 (AUD)	3 Ordinary Shares
4/01/2019	Morgan Stanley Australia Securities Limited	Sell	9.36 (AUD)	3 Ordinary Shares
4/01/2019	Morgan Stanley Australia Securities Limited	Sell	961.00 (AUD)	310 Ordinary Shares
4/01/2019	Morgan Stanley Capital Services LLC	Buy	N/A	3 Swaps
4/01/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,173 Swaps
4/01/2019	Morgan Stanley Capital Services LLC	Sell	N/A	257 Swaps
4/02/2019	Morgan Stanley & Co. International plc	Buy	2,525.04	756 Ordinary Shares
4/02/2019	Morgan Stanley Australia Securities Limited	Buy	49.76 (AUD)	16 Ordinary Shares
4/02/2019	Morgan Stanley Australia Securities Limited	Sell	141.75 (AUD)	45 Ordinary Shares
4/02/2019	Morgan Stanley Australia Securities Limited	Sell	355.60 (AUD)	112 Ordinary Shares
4/02/2019	Morgan Stanley Australia Securities Limited	Sell	885.15 (AUD)	281 Ordinary Shares
4/02/2019	Morgan Stanley Australia Securities Limited	Sell	9.54 (AUD)	3 Ordinary Shares
4/02/2019	Morgan Stanley Capital Services LLC	Sell	N/A	16 Swaps
4/02/2019	Morgan Stanley Capital Services LLC	Sell	N/A	756 Swaps
4/03/2019	Morgan Stanley & Co. International plc	Buy	5,622.40	1,680 Ordinary Shares
4/03/2019	Morgan Stanley Australia Securities Limited	Buy	12.68 (AUD)	4 Ordinary Shares
4/03/2019	Morgan Stanley Australia Securities Limited	Buy	12.76 (AUD)	4 Ordinary Shares
4/03/2019	Morgan Stanley Australia Securities Limited	Buy	165.88 (AUD)	52 Ordinary Shares
4/03/2019	Morgan Stanley Australia Securities Limited	Buy	3.15 (AUD)	1 Ordinary Share
4/03/2019	Morgan Stanley Australia Securities Limited	Buy	79.50 (AUD)	25 Ordinary Shares
4/03/2019	Morgan Stanley Australia Securities Limited	Sell	12.68 (AUD)	4 Ordinary Shares
4/03/2019	Morgan Stanley Australia Securities Limited	Sell	12.76 (AUD)	4 Ordinary Shares
4/03/2019	Morgan Stanley Australia Securities Limited	Sell	274.34 (AUD)	86 Ordinary Shares
4/03/2019	Morgan Stanley Australia Securities Limited	Sell	308.46 (AUD)	97 Ordinary Shares
4/03/2019	Morgan Stanley Australia Securities Limited	Sell	362.25 (AUD)	115 Ordinary Shares

4/03/2019	Morgan Stanley Australia Securities Limited	Sell	944.24 (AUD)	296 Ordinary Shares
4/03/2019	Morgan Stanley Capital Services LLC	Buy	N/A	300 Swaps
4/03/2019	Morgan Stanley Capital Services LLC	Buy	N/A	302 Swaps
4/03/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,680 Swaps
4/04/2019	Morgan Stanley & Co. International plc	Buy	3,619.38	1,074 Ordinary Shares
4/04/2019	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	3,665 Ordinary Shares
4/04/2019	Morgan Stanley Australia Securities Limited	Buy	51.68 (AUD)	16 Ordinary Shares
4/04/2019	Morgan Stanley Australia Securities Limited	Buy	74.06 (AUD)	23 Ordinary Shares
4/04/2019	Morgan Stanley Australia Securities Limited	Buy	9.69 (AUD)	3 Ordinary Shares
4/04/2019	Morgan Stanley Australia Securities Limited	Sell	110.50 (AUD)	34 Ordinary Shares
4/04/2019	Morgan Stanley Australia Securities Limited	Sell	257.60 (AUD)	80 Ordinary Shares
4/04/2019	Morgan Stanley Australia Securities Limited	Sell	280.14 (AUD)	87 Ordinary Shares
4/04/2019	Morgan Stanley Australia Securities Limited	Sell	345.08 (AUD)	107 Ordinary Shares
4/04/2019	Morgan Stanley Australia Securities Limited	Sell	417.96 (AUD)	129 Ordinary Shares
4/04/2019	Morgan Stanley Australia Securities Limited	Sell	45.50 (AUD)	14 Ordinary Shares
4/04/2019	Morgan Stanley Australia Securities Limited	Sell	475.31 (AUD)	149 Ordinary Shares
4/04/2019	Morgan Stanley Australia Securities Limited	Sell	476.80 (AUD)	149 Ordinary Shares
4/04/2019	Morgan Stanley Australia Securities Limited	Sell	528.12 (AUD)	163 Ordinary Shares
4/04/2019	Morgan Stanley Australia Securities Limited	Sell	532.86 (AUD)	166 Ordinary Shares
4/04/2019	Morgan Stanley Australia Securities Limited	Sell	544.18 (AUD)	169 Ordinary Shares
4/04/2019	Morgan Stanley Australia Securities Limited	Sell	552.50 (AUD)	170 Ordinary Shares
4/04/2019	Morgan Stanley Australia Securities Limited	Sell	732.80 (AUD)	229 Ordinary Shares
4/04/2019	Morgan Stanley Australia Securities Limited	Sell	854.40 (AUD)	267 Ordinary Shares
4/04/2019	Morgan Stanley Capital Services LLC	Buy	N/A	1,145 Swaps
4/04/2019	Morgan Stanley Capital Services LLC	Buy	N/A	204 Swaps
4/04/2019	Morgan Stanley Capital Services LLC	Buy	N/A	298 Swaps
4/04/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,074 Swaps
4/05/2019	Morgan Stanley & Co. International plc	Buy	4,266.93	1,235 Ordinary Shares
4/05/2019	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	3,665 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Buy	3.30 (AUD)	1 Ordinary Share
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	1,407.12 (AUD)	429 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	1,409.37 (AUD)	431 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	1,412.40 (AUD)	428 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	1,912.95 (AUD)	585 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	1,933.04 (AUD)	584 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	13.04 (AUD)	4 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	13.12 (AUD)	4 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	16.50 (AUD)	5 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	254.28 (AUD)	78 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	255.84 (AUD)	78 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	270.60 (AUD)	82 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	3.30 (AUD)	1 Ordinary Share
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	348.74 (AUD)	106 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	4,794.62 (AUD)	1,473 Ordinary Shares

4/05/2019	Morgan Stanley Australia Securities Limited	Sell	42.38 (AUD)	13 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	434.16 (AUD)	134 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	46.20 (AUD)	14 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	482.76 (AUD)	149 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	494.00 (AUD)	152 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	533.01 (AUD)	163 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	6.50 (AUD)	2 Ordinary Shares
4/05/2019	Morgan Stanley Australia Securities Limited	Sell	731.25 (AUD)	225 Ordinary Shares
4/05/2019	Morgan Stanley Capital Services LLC	Buy	N/A	1,041 Swaps
4/05/2019	Morgan Stanley Capital Services LLC	Buy	N/A	13 Swaps
4/05/2019	Morgan Stanley Capital Services LLC	Buy	N/A	3,494 Swaps
4/05/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1 Swap
4/05/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,235 Swaps
4/08/2019	Morgan Stanley & Co. International plc	Buy	11,623.06	3,352 Ordinary Shares
4/08/2019	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	559 Ordinary Shares
4/08/2019	Morgan Stanley Australia Securities Limited	Sell	1,075.84 (AUD)	328 Ordinary Shares
4/08/2019	Morgan Stanley Australia Securities Limited	Sell	1,092.24 (AUD)	333 Ordinary Shares
4/08/2019	Morgan Stanley Australia Securities Limited	Sell	1,334.96 (AUD)	407 Ordinary Shares
4/08/2019	Morgan Stanley Australia Securities Limited	Sell	1,686.30 (AUD)	511 Ordinary Shares
4/08/2019	Morgan Stanley Australia Securities Limited	Sell	186.96 (AUD)	57 Ordinary Shares
4/08/2019	Morgan Stanley Australia Securities Limited	Sell	265.68 (AUD)	81 Ordinary Shares
4/08/2019	Morgan Stanley Australia Securities Limited	Sell	274.68 (AUD)	84 Ordinary Shares
4/08/2019	Morgan Stanley Australia Securities Limited	Sell	290.58 (AUD)	87 Ordinary Shares
4/08/2019	Morgan Stanley Australia Securities Limited	Sell	297.00 (AUD)	90 Ordinary Shares
4/08/2019	Morgan Stanley Australia Securities Limited	Sell	39.84 (AUD)	12 Ordinary Shares
4/08/2019	Morgan Stanley Australia Securities Limited	Sell	411.25 (AUD)	125 Ordinary Shares
4/08/2019	Morgan Stanley Australia Securities Limited	Sell	562.70 (AUD)	170 Ordinary Shares
4/08/2019	Morgan Stanley Australia Securities Limited	Sell	569.17 (AUD)	173 Ordinary Shares
4/08/2019	Morgan Stanley Australia Securities Limited	Sell	6.58 (AUD)	2 Ordinary Shares
4/08/2019	Morgan Stanley Australia Securities Limited	Sell	9.90 (AUD)	3 Ordinary Shares
4/08/2019	Morgan Stanley Australia Securities Limited	Sell	9.96 (AUD)	3 Ordinary Shares
4/08/2019	Morgan Stanley Capital Services LLC	Buy	N/A	1,025 Swaps
4/08/2019	Morgan Stanley Capital Services LLC	Buy	N/A	1,254 Swaps
4/08/2019	Morgan Stanley Capital Services LLC	Sell	N/A	3,352 Swaps
4/09/2019	Morgan Stanley & Co. International plc	Buy	4,713.45	1,340 Ordinary Shares
4/09/2019	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	559 Ordinary Shares
4/09/2019	Morgan Stanley Australia Securities Limited	Buy	109.56 (AUD)	33 Ordinary Shares
4/09/2019	Morgan Stanley Australia Securities Limited	Buy	128.31 (AUD)	39 Ordinary Shares
4/09/2019	Morgan Stanley Australia Securities Limited	Buy	332.29 (AUD)	101 Ordinary Shares
4/09/2019	Morgan Stanley Australia Securities Limited	Buy	52.96 (AUD)	16 Ordinary Shares
4/09/2019	Morgan Stanley Australia Securities Limited	Buy	59.58 (AUD)	18 Ordinary Shares
4/09/2019	Morgan Stanley Australia Securities Limited	Buy	6.58 (AUD)	2 Ordinary Shares
4/09/2019	Morgan Stanley Australia Securities Limited	Buy	6.58 (AUD)	2 Ordinary Shares
4/09/2019	Morgan Stanley Australia Securities Limited	Buy	806.05 (AUD)	245 Ordinary Shares

4/09/2019	Morgan Stanley Australia Securities Limited	Buy	828.30 (AUD)	251 Ordinary Shares
4/09/2019	Morgan Stanley Australia Securities Limited	Sell	128.31 (AUD)	39 Ordinary Shares
4/09/2019	Morgan Stanley Australia Securities Limited	Sell	296.10 (AUD)	90 Ordinary Shares
4/09/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,340 Swaps
4/09/2019	Morgan Stanley Capital Services LLC	Sell	N/A	2 Swaps
4/09/2019	Morgan Stanley Capital Services LLC	Sell	N/A	597 Swaps
4/10/2019	Morgan Stanley & Co. International plc	Buy	20,260.68	5,684 Ordinary Shares
4/10/2019	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	5,061 Ordinary Shares
4/10/2019	Morgan Stanley Australia Securities Limited	Buy	1,588.60 (AUD)	470 Ordinary Shares
4/10/2019	Morgan Stanley Australia Securities Limited	Buy	189.00 (AUD)	56 Ordinary Shares
4/10/2019	Morgan Stanley Australia Securities Limited	Buy	283.08 (AUD)	84 Ordinary Shares
4/10/2019	Morgan Stanley Australia Securities Limited	Buy	30.51 (AUD)	9 Ordinary Shares
4/10/2019	Morgan Stanley Australia Securities Limited	Buy	33.40 (AUD)	10 Ordinary Shares
4/10/2019	Morgan Stanley Australia Securities Limited	Buy	398.84 (AUD)	118 Ordinary Shares
4/10/2019	Morgan Stanley Australia Securities Limited	Buy	64.03 (AUD)	19 Ordinary Shares
4/10/2019	Morgan Stanley Australia Securities Limited	Buy	827.50 (AUD)	250 Ordinary Shares
4/10/2019	Morgan Stanley Australia Securities Limited	Sell	283.08 (AUD)	84 Ordinary Shares
4/10/2019	Morgan Stanley Australia Securities Limited	Sell	300.82 (AUD)	89 Ordinary Shares
4/10/2019	Morgan Stanley Australia Securities Limited	Sell	33.10 (AUD)	10 Ordinary Shares
4/10/2019	Morgan Stanley Australia Securities Limited	Sell	358.45 (AUD)	107 Ordinary Shares
4/10/2019	Morgan Stanley Australia Securities Limited	Sell	397.66 (AUD)	118 Ordinary Shares
4/10/2019	Morgan Stanley Australia Securities Limited	Sell	40.08 (AUD)	12 Ordinary Shares
4/10/2019	Morgan Stanley Australia Securities Limited	Sell	6.68 (AUD)	2 Ordinary Shares
4/10/2019	Morgan Stanley Australia Securities Limited	Sell	6.74 (AUD)	2 Ordinary Shares
4/10/2019	Morgan Stanley Australia Securities Limited	Sell	655.72 (AUD)	194 Ordinary Shares
4/10/2019	Morgan Stanley Australia Securities Limited	Sell	756.00 (AUD)	225 Ordinary Shares
4/10/2019	Morgan Stanley Capital Services LLC	Buy	N/A	2 Swaps
4/10/2019	Morgan Stanley Capital Services LLC	Buy	N/A	841 Swaps
4/10/2019	Morgan Stanley Capital Services LLC	Sell	N/A	5,684 Swaps
4/10/2019	Morgan Stanley Capital Services LLC	Sell	N/A	804 Swaps
4/11/2019	Morgan Stanley & Co. International plc	Buy	24,099.82	6,673 Ordinary Shares
4/11/2019	Morgan Stanley & Co. International plc	Buy	N/A	1,120 Swaps
4/11/2019	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	17,791 Ordinary Shares
4/11/2019	Morgan Stanley Australia Securities Limited	Buy	1,661.10 (AUD)	490 Ordinary Shares
4/11/2019	Morgan Stanley Australia Securities Limited	Buy	103.85 (AUD)	31 Ordinary Shares
4/11/2019	Morgan Stanley Australia Securities Limited	Buy	152.55 (AUD)	45 Ordinary Shares
4/11/2019	Morgan Stanley Australia Securities Limited	Buy	26.96 (AUD)	8 Ordinary Shares
4/11/2019	Morgan Stanley Australia Securities Limited	Buy	326.40 (AUD)	96 Ordinary Shares
4/11/2019	Morgan Stanley Australia Securities Limited	Sell	168.50 (AUD)	50 Ordinary Shares
4/11/2019	Morgan Stanley Australia Securities Limited	Sell	3,785.60 (AUD)	1,120 Ordinary Shares
4/11/2019	Morgan Stanley Australia Securities Limited	Sell	30.15 (AUD)	9 Ordinary Shares
4/11/2019	Morgan Stanley Australia Securities Limited	Sell	309.40 (AUD)	91 Ordinary Shares
4/11/2019	Morgan Stanley Australia Securities Limited	Sell	347.11 (AUD)	103 Ordinary Shares
4/11/2019	Morgan Stanley Australia Securities Limited	Sell	352.26 (AUD)	103 Ordinary Shares

4/11/2019	Morgan Stanley Australia Securities Limited	Sell	447.48 (AUD)	132 Ordinary Shares
4/11/2019	Morgan Stanley Australia Securities Limited	Sell	510.38 (AUD)	151 Ordinary Shares
4/11/2019	Morgan Stanley Australia Securities Limited	Sell	579.70 (AUD)	170 Ordinary Shares
4/11/2019	Morgan Stanley Capital Services LLC	Buy	N/A	50 Swaps
4/11/2019	Morgan Stanley Capital Services LLC	Buy	N/A	759 Swaps
4/11/2019	Morgan Stanley Capital Services LLC	Sell	N/A	521 Swaps
4/11/2019	Morgan Stanley Capital Services LLC	Sell	N/A	6,673 Swaps
4/12/2019	Morgan Stanley & Co. International plc	Buy	11,475.41	3,148 Ordinary Shares
4/12/2019	Morgan Stanley & Co. International plc	Buy	365.80	100 Ordinary Shares
4/12/2019	Morgan Stanley & Co. International plc	Buy	N/A	1,549 Swaps
4/12/2019	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	22,852 Ordinary Shares
4/12/2019	Morgan Stanley & Co. International plc	Sell	N/A	100 Swaps
4/12/2019	Morgan Stanley Australia Securities Limited	Buy	34.20 (AUD)	10 Ordinary Shares
4/12/2019	Morgan Stanley Australia Securities Limited	Buy	6.80 (AUD)	2 Ordinary Shares
4/12/2019	Morgan Stanley Australia Securities Limited	Buy	70.56 (AUD)	21 Ordinary Shares
4/12/2019	Morgan Stanley Australia Securities Limited	Buy	702.46 (AUD)	206 Ordinary Shares
4/12/2019	Morgan Stanley Australia Securities Limited	Sell	1,035.00 (AUD)	300 Ordinary Shares
4/12/2019	Morgan Stanley Australia Securities Limited	Sell	4,309.05 (AUD)	1,249 Ordinary Shares
4/12/2019	Morgan Stanley Australia Securities Limited	Sell	6.80 (AUD)	2 Ordinary Shares
4/12/2019	Morgan Stanley Australia Securities Limited	Sell	6.80 (AUD)	2 Ordinary Shares
4/12/2019	Morgan Stanley Capital Services LLC	Buy	N/A	4 Swaps
4/12/2019	Morgan Stanley Capital Services LLC	Sell	N/A	206 Swaps
4/12/2019	Morgan Stanley Capital Services LLC	Sell	N/A	3,148 Swaps
4/15/2019	Morgan Stanley & Co. International plc	Buy	2,430.18	661 Ordinary Shares
4/15/2019	Morgan Stanley & Co. International plc	Buy	N/A	1,500 Swaps
4/15/2019	Morgan Stanley & Co. International plc	Sell	N/A	900 Swaps
4/15/2019	Morgan Stanley Australia Securities Limited	Buy	1,097.10 (AUD)	318 Ordinary Shares
4/15/2019	Morgan Stanley Australia Securities Limited	Buy	130.72 (AUD)	38 Ordinary Shares
4/15/2019	Morgan Stanley Australia Securities Limited	Buy	177.84 (AUD)	52 Ordinary Shares
4/15/2019	Morgan Stanley Australia Securities Limited	Buy	248.40 (AUD)	72 Ordinary Shares
4/15/2019	Morgan Stanley Australia Securities Limited	Buy	29.79 (AUD)	9 Ordinary Shares
4/15/2019	Morgan Stanley Australia Securities Limited	Buy	3,096.00 (AUD)	900 Ordinary Shares
4/15/2019	Morgan Stanley Australia Securities Limited	Buy	321.07 (AUD)	97 Ordinary Shares
4/15/2019	Morgan Stanley Australia Securities Limited	Buy	495.58 (AUD)	142 Ordinary Shares
4/15/2019	Morgan Stanley Australia Securities Limited	Sell	3,594.84 (AUD)	1,033 Ordinary Shares
4/15/2019	Morgan Stanley Australia Securities Limited	Sell	685.56 (AUD)	197 Ordinary Shares
4/15/2019	Morgan Stanley Australia Securities Limited	Sell	928.80 (AUD)	270 Ordinary Shares
4/15/2019	Morgan Stanley Capital Services LLC	Sell	N/A	415 Swaps
4/15/2019	Morgan Stanley Capital Services LLC	Sell	N/A	661 Swaps
4/16/2019	Morgan Stanley & Co. International plc	Buy	8,010.17	2,159 Ordinary Shares
4/16/2019	Morgan Stanley & Co. International plc	Buy	N/A	51 Swaps
4/16/2019	Morgan Stanley & Co. International plc	Sell	N/A	1,300 Swaps
4/16/2019	Morgan Stanley Australia Securities Limited	Buy	1,382.50 (AUD)	395 Ordinary Shares
4/16/2019	Morgan Stanley Australia Securities Limited	Buy	1,388.00 (AUD)	400 Ordinary Shares

4/16/2019	Morgan Stanley Australia Securities Limited	Buy	1,750.00 (AUD)	500 Ordinary Shares
4/16/2019	Morgan Stanley Australia Securities Limited	Buy	152.68 (AUD)	44 Ordinary Shares
4/16/2019	Morgan Stanley Australia Securities Limited	Buy	2,382.42 (AUD)	673 Ordinary Shares
4/16/2019	Morgan Stanley Australia Securities Limited	Buy	2,800.00 (AUD)	800 Ordinary Shares
4/16/2019	Morgan Stanley Australia Securities Limited	Buy	327.36 (AUD)	93 Ordinary Shares
4/16/2019	Morgan Stanley Australia Securities Limited	Buy	347.44 (AUD)	101 Ordinary Shares
4/16/2019	Morgan Stanley Australia Securities Limited	Sell	182.07 (AUD)	51 Ordinary Shares
4/16/2019	Morgan Stanley Australia Securities Limited	Sell	6.88 (AUD)	2 Ordinary Shares
4/16/2019	Morgan Stanley Australia Securities Limited	Sell	64.26 (AUD)	18 Ordinary Shares
4/16/2019	Morgan Stanley Capital Services LLC	Buy	N/A	20 Swaps
4/16/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,561 Swaps
4/16/2019	Morgan Stanley Capital Services LLC	Sell	N/A	2,159 Swaps
4/17/2019	Morgan Stanley & Co. International plc	Buy	6,950.83	1,823 Ordinary Shares
4/17/2019	Morgan Stanley & Co. International plc	Buy	N/A	28 Swaps
4/17/2019	Morgan Stanley Australia Securities Limited	Buy	178.00 (AUD)	50 Ordinary Shares
4/17/2019	Morgan Stanley Australia Securities Limited	Buy	2,531.13 (AUD)	709 Ordinary Shares
4/17/2019	Morgan Stanley Australia Securities Limited	Buy	79.86 (AUD)	22 Ordinary Shares
4/17/2019	Morgan Stanley Australia Securities Limited	Sell	1,403.36 (AUD)	392 Ordinary Shares
4/17/2019	Morgan Stanley Australia Securities Limited	Sell	1,992.06 (AUD)	558 Ordinary Shares
4/17/2019	Morgan Stanley Australia Securities Limited	Sell	101.64 (AUD)	28 Ordinary Shares
4/17/2019	Morgan Stanley Australia Securities Limited	Sell	3.54 (AUD)	1 Ordinary Share
4/17/2019	Morgan Stanley Australia Securities Limited	Sell	61.71 (AUD)	17 Ordinary Shares
4/17/2019	Morgan Stanley Capital Services LLC	Buy	N/A	967 Swaps
4/17/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,823 Swaps
4/17/2019	Morgan Stanley Capital Services LLC	Sell	N/A	709 Swaps
4/18/2019	Morgan Stanley & Co. International plc	Buy	385.81	100 Ordinary Shares
4/18/2019	Morgan Stanley & Co. International plc	Buy	5,658.00	1,476 Ordinary Shares
4/18/2019	Morgan Stanley & Co. International plc	Sell	163,546.59	42,511 Ordinary Shares
4/18/2019	Morgan Stanley & Co. International plc	Sell	N/A	1,400 Swaps
4/18/2019	Morgan Stanley & Co. International plc	Sell	N/A	100 Swaps
4/18/2019	Morgan Stanley Australia Securities Limited	Buy	5,054.00 (AUD)	1,400 Ordinary Shares
4/18/2019	Morgan Stanley Australia Securities Limited	Sell	1,450.36 (AUD)	404 Ordinary Shares
4/18/2019	Morgan Stanley Australia Securities Limited	Sell	21.48 (AUD)	6 Ordinary Shares
4/18/2019	Morgan Stanley Australia Securities Limited	Sell	3.56 (AUD)	1 Ordinary Share
4/18/2019	Morgan Stanley Australia Securities Limited	Sell	32.49 (AUD)	9 Ordinary Shares
4/18/2019	Morgan Stanley Australia Securities Limited	Sell	7.26 (AUD)	2 Ordinary Shares
4/18/2019	Morgan Stanley Australia Securities Limited	Sell	72.60 (AUD)	20 Ordinary Shares
4/18/2019	Morgan Stanley Capital Services LLC	Buy	N/A	20 Swaps
4/18/2019	Morgan Stanley Capital Services LLC	Buy	N/A	404 Swaps
4/18/2019	Morgan Stanley Capital Services LLC	Buy	N/A	42,511 Swaps
4/18/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,476 Swaps
4/19/2019	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	9,680 Ordinary Shares
4/23/2019	Morgan Stanley & Co. International plc	Buy	1,145.00	300 Ordinary Shares
4/23/2019	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	3,952 Ordinary Shares

4/23/2019	Morgan Stanley & Co. International plc	Sell	51,997.30	13,615 Ordinary Shares
4/23/2019	Morgan Stanley & Co. International plc	Sell	N/A	300 Swaps
4/23/2019	Morgan Stanley Australia Securities Limited	Buy	201.60 (AUD)	56 Ordinary Shares
4/23/2019	Morgan Stanley Australia Securities Limited	Buy	710.43 (AUD)	199 Ordinary Shares
4/23/2019	Morgan Stanley Australia Securities Limited	Sell	14.40 (AUD)	4 Ordinary Shares
4/23/2019	Morgan Stanley Australia Securities Limited	Sell	2,804.40 (AUD)	779 Ordinary Shares
4/23/2019	Morgan Stanley Australia Securities Limited	Sell	7.16 (AUD)	2 Ordinary Shares
4/23/2019	Morgan Stanley Capital Services LLC	Buy	N/A	13,615 Swaps
4/23/2019	Morgan Stanley Capital Services LLC	Buy	N/A	779 Swaps
4/23/2019	Morgan Stanley Capital Services LLC	Sell	N/A	199 Swaps
4/24/2019	Morgan Stanley & Co. International plc	Buy	750.52	200 Ordinary Shares
4/24/2019	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	5,728 Ordinary Shares
4/24/2019	Morgan Stanley & Co. International plc	Sell	N/A	200 Swaps
4/24/2019	Morgan Stanley & Co. International plc	Sell	N/A	648 Swaps
4/24/2019	Morgan Stanley Australia Securities Limited	Buy	1,309.00 (AUD)	374 Ordinary Shares
4/24/2019	Morgan Stanley Australia Securities Limited	Buy	153.12 (AUD)	44 Ordinary Shares
4/24/2019	Morgan Stanley Australia Securities Limited	Buy	2,280.96 (AUD)	648 Ordinary Shares
4/24/2019	Morgan Stanley Australia Securities Limited	Buy	306.16 (AUD)	86 Ordinary Shares
4/24/2019	Morgan Stanley Australia Securities Limited	Buy	31.59 (AUD)	9 Ordinary Shares
4/24/2019	Morgan Stanley Australia Securities Limited	Buy	422.29 (AUD)	121 Ordinary Shares
4/24/2019	Morgan Stanley Australia Securities Limited	Buy	64.44 (AUD)	18 Ordinary Shares
4/24/2019	Morgan Stanley Australia Securities Limited	Buy	7.12 (AUD)	2 Ordinary Shares
4/24/2019	Morgan Stanley Australia Securities Limited	Buy	70.40 (AUD)	20 Ordinary Shares
4/24/2019	Morgan Stanley Australia Securities Limited	Sell	294.00 (AUD)	84 Ordinary Shares
4/24/2019	Morgan Stanley Australia Securities Limited	Sell	323.64 (AUD)	93 Ordinary Shares
4/24/2019	Morgan Stanley Australia Securities Limited	Sell	367.71 (AUD)	103 Ordinary Shares
4/24/2019	Morgan Stanley Capital Services LLC	Sell	N/A	460 Swaps
4/26/2019	Morgan Stanley & Co. International plc	Buy	3,290.80	890 Ordinary Shares
4/26/2019	Morgan Stanley & Co. International plc	Buy	369.30	100 Ordinary Shares
4/26/2019	Morgan Stanley & Co. International plc	Sell	N/A	100 Swaps
4/26/2019	Morgan Stanley Australia Securities Limited	Buy	100.05 (AUD)	29 Ordinary Shares
4/26/2019	Morgan Stanley Australia Securities Limited	Buy	140.63 (AUD)	41 Ordinary Shares
4/26/2019	Morgan Stanley Australia Securities Limited	Buy	155.70 (AUD)	45 Ordinary Shares
4/26/2019	Morgan Stanley Australia Securities Limited	Buy	2,014.80 (AUD)	584 Ordinary Shares
4/26/2019	Morgan Stanley Australia Securities Limited	Buy	204.73 (AUD)	59 Ordinary Shares
4/26/2019	Morgan Stanley Australia Securities Limited	Buy	24.50 (AUD)	7 Ordinary Shares
4/26/2019	Morgan Stanley Australia Securities Limited	Buy	455.00 (AUD)	130 Ordinary Shares
4/26/2019	Morgan Stanley Australia Securities Limited	Buy	57.97 (AUD)	17 Ordinary Shares
4/26/2019	Morgan Stanley Australia Securities Limited	Buy	72.87 (AUD)	21 Ordinary Shares
4/26/2019	Morgan Stanley Australia Securities Limited	Sell	1,610.00 (AUD)	460 Ordinary Shares
4/26/2019	Morgan Stanley Australia Securities Limited	Sell	10.41 (AUD)	3 Ordinary Shares
4/26/2019	Morgan Stanley Australia Securities Limited	Sell	17.50 (AUD)	5 Ordinary Shares
4/26/2019	Morgan Stanley Australia Securities Limited	Sell	211.06 (AUD)	61 Ordinary Shares
4/26/2019	Morgan Stanley Capital Services LLC	Buy	N/A	460 Swaps

4/26/2019	Morgan Stanley Capital Services LLC	Sell	N/A	625 Swaps
4/26/2019	Morgan Stanley Capital Services LLC	Sell	N/A	890 Swaps
4/29/2019	Morgan Stanley & Co. International plc	Buy	3,362.62	889 Ordinary Shares
4/29/2019	Morgan Stanley & Co. International plc	Buy	4,507.78	1,200 Ordinary Shares
4/29/2019	Morgan Stanley & Co. International plc	Sell	13,867.61	3,659 Ordinary Shares
4/29/2019	Morgan Stanley & Co. International plc	Sell	N/A	1,200 Swaps
4/29/2019	Morgan Stanley Australia Securities Limited	Buy	1,661.12 (AUD)	464 Ordinary Shares
4/29/2019	Morgan Stanley Australia Securities Limited	Buy	410.09 (AUD)	117 Ordinary Shares
4/29/2019	Morgan Stanley Australia Securities Limited	Buy	434.39 (AUD)	121 Ordinary Shares
4/29/2019	Morgan Stanley Australia Securities Limited	Sell	207.64 (AUD)	58 Ordinary Shares
4/29/2019	Morgan Stanley Australia Securities Limited	Sell	258.79 (AUD)	73 Ordinary Shares
4/29/2019	Morgan Stanley Australia Securities Limited	Sell	273.35 (AUD)	77 Ordinary Shares
4/29/2019	Morgan Stanley Australia Securities Limited	Sell	431.88 (AUD)	122 Ordinary Shares
4/29/2019	Morgan Stanley Australia Securities Limited	Sell	88.00 (AUD)	25 Ordinary Shares
4/29/2019	Morgan Stanley Australia Securities Limited	Sell	89.00 (AUD)	25 Ordinary Shares
4/29/2019	Morgan Stanley Capital Services LLC	Buy	N/A	3,659 Swaps
4/29/2019	Morgan Stanley Capital Services LLC	Sell	N/A	581 Swaps
4/29/2019	Morgan Stanley Capital Services LLC	Sell	N/A	889 Swaps
4/30/2019	Morgan Stanley & Co. International plc	Buy	4,500.70	1,187 Ordinary Shares
4/30/2019	Morgan Stanley & Co. International plc	Buy	5,305.77	1,400 Ordinary Shares
4/30/2019	Morgan Stanley & Co. International plc	Sell	124,489.10	32,923 Ordinary Shares
4/30/2019	Morgan Stanley & Co. International plc	Sell	7,284.06	1,927 Ordinary Shares
4/30/2019	Morgan Stanley & Co. International plc	Sell	N/A	1,400 Swaps
4/30/2019	Morgan Stanley Australia Securities Limited	Buy	1,078.68 (AUD)	303 Ordinary Shares
4/30/2019	Morgan Stanley Australia Securities Limited	Buy	1,664.95 (AUD)	469 Ordinary Shares
4/30/2019	Morgan Stanley Australia Securities Limited	Buy	10.59 (AUD)	3 Ordinary Shares
4/30/2019	Morgan Stanley Australia Securities Limited	Buy	115.52 (AUD)	32 Ordinary Shares
4/30/2019	Morgan Stanley Australia Securities Limited	Buy	17.90 (AUD)	5 Ordinary Shares
4/30/2019	Morgan Stanley Australia Securities Limited	Buy	3,157.56 (AUD)	882 Ordinary Shares
4/30/2019	Morgan Stanley Australia Securities Limited	Buy	483.61 (AUD)	137 Ordinary Shares
4/30/2019	Morgan Stanley Australia Securities Limited	Buy	5,612.04 (AUD)	1,572 Ordinary Shares
4/30/2019	Morgan Stanley Australia Securities Limited	Buy	583.54 (AUD)	163 Ordinary Shares
4/30/2019	Morgan Stanley Australia Securities Limited	Sell	17.90 (AUD)	5 Ordinary Shares
4/30/2019	Morgan Stanley Australia Securities Limited	Sell	28.64 (AUD)	8 Ordinary Shares
4/30/2019	Morgan Stanley Australia Securities Limited	Sell	289.17 (AUD)	81 Ordinary Shares
4/30/2019	Morgan Stanley Australia Securities Limited	Sell	338.20 (AUD)	95 Ordinary Shares
4/30/2019	Morgan Stanley Australia Securities Limited	Sell	53.63 (AUD)	15 Ordinary Shares
4/30/2019	Morgan Stanley Australia Securities Limited	Sell	75.29 (AUD)	21 Ordinary Shares
4/30/2019	Morgan Stanley Capital Services LLC	Buy	N/A	32,923 Swaps
4/30/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,187 Swaps
4/30/2019	Morgan Stanley Capital Services LLC	Sell	N/A	3,363 Swaps
4/30/2019	Morgan Stanley Capital Services LLC	Sell	N/A	68 Swaps
5/01/2019	Morgan Stanley & Co. International plc	Buy	17,589.55	4,700 Ordinary Shares
5/01/2019	Morgan Stanley & Co. International plc	Buy	4,808.47	1,285 Ordinary Shares
5/01/2019	Morgan Stanley & Co. International plc	Increase in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the	N/A	5,952 Ordinary Shares

		agreement(s)		
5/01/2019	Morgan Stanley & Co. International plc	Sell	N/A	4,700 Swaps
5/01/2019	Morgan Stanley Australia Securities Limited	Buy	1,099.99 (AUD)	317 Ordinary Shares
5/01/2019	Morgan Stanley Australia Securities Limited	Buy	1,378.08 (AUD)	396 Ordinary Shares
5/01/2019	Morgan Stanley Australia Securities Limited	Buy	1,704.50 (AUD)	487 Ordinary Shares
5/01/2019	Morgan Stanley Australia Securities Limited	Buy	2,287.06 (AUD)	661 Ordinary Shares
5/01/2019	Morgan Stanley Australia Securities Limited	Buy	259.74 (AUD)	74 Ordinary Shares
5/01/2019	Morgan Stanley Australia Securities Limited	Buy	3,655.18 (AUD)	1,021 Ordinary Shares
5/01/2019	Morgan Stanley Australia Securities Limited	Buy	41.88 (AUD)	12 Ordinary Shares
5/01/2019	Morgan Stanley Australia Securities Limited	Buy	5,330.30 (AUD)	1,510 Ordinary Shares
5/01/2019	Morgan Stanley Australia Securities Limited	Buy	757.33 (AUD)	217 Ordinary Shares
5/01/2019	Morgan Stanley Australia Securities Limited	Buy	809.60 (AUD)	230 Ordinary Shares
5/01/2019	Morgan Stanley Australia Securities Limited	Sell	3.53 (AUD)	1 Ordinary Share
5/01/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,285 Swaps
5/01/2019	Morgan Stanley Capital Services LLC	Sell	N/A	4,683 Swaps
5/02/2019	Morgan Stanley & Co. International plc	Buy	1,805.09	482 Ordinary Shares
5/02/2019	Morgan Stanley & Co. International plc	Decrease in shares held or in respect of which the holder may exercise right to rehypothecate pursuant to the agreement(s)	N/A	5,952 Ordinary Shares
5/02/2019	Morgan Stanley Australia Securities Limited	Buy	1,185.90 (AUD)	335 Ordinary Shares
5/02/2019	Morgan Stanley Australia Securities Limited	Buy	1,458.00 (AUD)	405 Ordinary Shares
5/02/2019	Morgan Stanley Australia Securities Limited	Buy	1,599.09 (AUD)	453 Ordinary Shares
5/02/2019	Morgan Stanley Australia Securities Limited	Buy	1,770.00 (AUD)	500 Ordinary Shares
5/02/2019	Morgan Stanley Australia Securities Limited	Buy	1,985.27 (AUD)	553 Ordinary Shares
5/02/2019	Morgan Stanley Australia Securities Limited	Buy	2,026.28 (AUD)	566 Ordinary Shares
5/02/2019	Morgan Stanley Australia Securities Limited	Buy	290.40 (AUD)	80 Ordinary Shares
5/02/2019	Morgan Stanley Australia Securities Limited	Buy	361.00 (AUD)	100 Ordinary Shares
5/02/2019	Morgan Stanley Australia Securities Limited	Buy	8,296.64 (AUD)	2,357 Ordinary Shares
5/02/2019	Morgan Stanley Australia Securities Limited	Sell	28.96 (AUD)	8 Ordinary Shares
5/02/2019	Morgan Stanley Capital Services LLC	Sell	N/A	3,987 Swaps
5/02/2019	Morgan Stanley Capital Services LLC	Sell	N/A	482 Swaps
5/03/2019	Morgan Stanley & Co. International plc	Buy	3,216.04	843 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Buy	1,223.56 (AUD)	338 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Buy	2,182.86 (AUD)	603 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Buy	2,773.32 (AUD)	764 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Buy	2,887.20 (AUD)	802 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Buy	209.38 (AUD)	58 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Buy	21.81 (AUD)	6 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Buy	312.18 (AUD)	86 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Buy	324.00 (AUD)	90 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Buy	397.10 (AUD)	110 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Buy	4,248.97 (AUD)	1,177 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Buy	6,745.00 (AUD)	1,900 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Buy	610.30 (AUD)	170 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Sell	1,862.76 (AUD)	516 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Sell	114.24 (AUD)	32 Ordinary Shares

5/03/2019	Morgan Stanley Australia Securities Limited	Sell	14.40 (AUD)	4 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Sell	14.52 (AUD)	4 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Sell	188.76 (AUD)	52 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Sell	28.72 (AUD)	8 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Sell	300.46 (AUD)	83 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Sell	312.18 (AUD)	86 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Sell	324.00 (AUD)	90 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Sell	361.00 (AUD)	100 Ordinary Shares
5/03/2019	Morgan Stanley Australia Securities Limited	Sell	397.10 (AUD)	110 Ordinary Shares
5/03/2019	Morgan Stanley Capital Services LLC	Sell	N/A	843 Swaps
5/06/2019	Morgan Stanley & Co. International plc	Buy	1,585.06	421 Ordinary Shares
5/06/2019	Morgan Stanley Australia Securities Limited	Buy	1,051.94 (AUD)	298 Ordinary Shares
5/06/2019	Morgan Stanley Australia Securities Limited	Buy	1,068.00 (AUD)	300 Ordinary Shares
5/06/2019	Morgan Stanley Australia Securities Limited	Buy	159.75 (AUD)	45 Ordinary Shares
5/06/2019	Morgan Stanley Australia Securities Limited	Buy	160.20 (AUD)	45 Ordinary Shares
5/06/2019	Morgan Stanley Australia Securities Limited	Buy	2,336.40 (AUD)	649 Ordinary Shares
5/06/2019	Morgan Stanley Australia Securities Limited	Buy	2,336.40 (AUD)	649 Ordinary Shares
5/06/2019	Morgan Stanley Australia Securities Limited	Buy	235.62 (AUD)	66 Ordinary Shares
5/06/2019	Morgan Stanley Australia Securities Limited	Buy	3,908.88 (AUD)	1,098 Ordinary Shares
5/06/2019	Morgan Stanley Australia Securities Limited	Buy	5,717.10 (AUD)	1,615 Ordinary Shares
5/06/2019	Morgan Stanley Australia Securities Limited	Sell	1,623.60 (AUD)	451 Ordinary Shares
5/06/2019	Morgan Stanley Australia Securities Limited	Sell	2,081.50 (AUD)	575 Ordinary Shares
5/06/2019	Morgan Stanley Australia Securities Limited	Sell	2,336.40 (AUD)	649 Ordinary Shares
5/06/2019	Morgan Stanley Capital Services LLC	Sell	N/A	421 Swaps
5/07/2019	Morgan Stanley & Co. International plc	Buy	2,013.14	527 Ordinary Shares
5/07/2019	Morgan Stanley Australia Securities Limited	Buy	1,092.42 (AUD)	306 Ordinary Shares
5/07/2019	Morgan Stanley Australia Securities Limited	Buy	1,429.20 (AUD)	397 Ordinary Shares
5/07/2019	Morgan Stanley Australia Securities Limited	Buy	1,970.91 (AUD)	549 Ordinary Shares
5/07/2019	Morgan Stanley Australia Securities Limited	Buy	2,034.44 (AUD)	562 Ordinary Shares
5/07/2019	Morgan Stanley Australia Securities Limited	Buy	2,739.80 (AUD)	760 Ordinary Shares
5/07/2019	Morgan Stanley Australia Securities Limited	Buy	3.58 (AUD)	1 Ordinary Share
5/07/2019	Morgan Stanley Australia Securities Limited	Buy	803.04 (AUD)	224 Ordinary Shares
5/07/2019	Morgan Stanley Australia Securities Limited	Buy	86.16 (AUD)	24 Ordinary Shares
5/07/2019	Morgan Stanley Australia Securities Limited	Buy	897.12 (AUD)	252 Ordinary Shares
5/07/2019	Morgan Stanley Australia Securities Limited	Buy	997.55 (AUD)	281 Ordinary Shares
5/07/2019	Morgan Stanley Australia Securities Limited	Sell	1,762.02 (AUD)	502 Ordinary Shares
5/07/2019	Morgan Stanley Australia Securities Limited	Sell	131.72 (AUD)	37 Ordinary Shares
5/07/2019	Morgan Stanley Australia Securities Limited	Sell	197.73 (AUD)	55 Ordinary Shares
5/07/2019	Morgan Stanley Australia Securities Limited	Sell	2,779.20 (AUD)	772 Ordinary Shares
5/07/2019	Morgan Stanley Australia Securities Limited	Sell	25.20 (AUD)	7 Ordinary Shares
5/07/2019	Morgan Stanley Australia Securities Limited	Sell	391.31 (AUD)	109 Ordinary Shares
5/07/2019	Morgan Stanley Australia Securities Limited	Sell	7.02 (AUD)	2 Ordinary Shares
5/07/2019	Morgan Stanley Capital Services LLC	Sell	N/A	527 Swaps
5/08/2019	Morgan Stanley & Co. International plc	Buy	5,039.80	1,356 Ordinary Shares
5/08/2019	Morgan Stanley & Co. International plc	Buy	N/A	887 Swaps

5/08/2019	Morgan Stanley & Co. International plc	Sell	5,315,250.00	1,425,000 Ordinary Shares
5/08/2019	Morgan Stanley Australia Securities Limited	Buy	1,047.00 (AUD)	300 Ordinary Shares
5/08/2019	Morgan Stanley Australia Securities Limited	Buy	1,148.21 (AUD)	329 Ordinary Shares
5/08/2019	Morgan Stanley Australia Securities Limited	Buy	13.88 (AUD)	4 Ordinary Shares
5/08/2019	Morgan Stanley Australia Securities Limited	Buy	24.36 (AUD)	7 Ordinary Shares
5/08/2019	Morgan Stanley Australia Securities Limited	Buy	66.31 (AUD)	19 Ordinary Shares
5/08/2019	Morgan Stanley Australia Securities Limited	Sell	2,088.00 (AUD)	600 Ordinary Shares
5/08/2019	Morgan Stanley Australia Securities Limited	Sell	614.22 (AUD)	174 Ordinary Shares
5/08/2019	Morgan Stanley Australia Securities Limited	Sell	998.76 (AUD)	287 Ordinary Shares
5/08/2019	Morgan Stanley Capital Services LLC	Sell	N/A	1,356 Swaps
5/09/2019	Morgan Stanley & Co. International plc	Buy	847.50	226 Ordinary Shares
5/09/2019	Morgan Stanley & Co. International plc	Sell	4,125,000.00	1,100,000 Ordinary Shares
5/09/2019	Morgan Stanley & Co. International plc	Sell	N/A	887 Swaps
5/09/2019	Morgan Stanley Australia Securities Limited	Buy	1,065.00 (AUD)	300 Ordinary Shares
5/09/2019	Morgan Stanley Australia Securities Limited	Buy	1,065.00 (AUD)	300 Ordinary Shares
5/09/2019	Morgan Stanley Australia Securities Limited	Buy	1,115.10 (AUD)	315 Ordinary Shares
5/09/2019	Morgan Stanley Australia Securities Limited	Buy	1,422.08 (AUD)	404 Ordinary Shares
5/09/2019	Morgan Stanley Australia Securities Limited	Buy	2,083.85 (AUD)	587 Ordinary Shares
5/09/2019	Morgan Stanley Australia Securities Limited	Buy	2,675.74 (AUD)	758 Ordinary Shares
5/09/2019	Morgan Stanley Australia Securities Limited	Buy	3,823.20 (AUD)	1,080 Ordinary Shares
5/09/2019	Morgan Stanley Australia Securities Limited	Buy	6,425.10 (AUD)	1,815 Ordinary Shares
5/09/2019	Morgan Stanley Australia Securities Limited	Sell	10.62 (AUD)	3 Ordinary Shares
5/09/2019	Morgan Stanley Australia Securities Limited	Sell	104.40 (AUD)	29 Ordinary Shares
5/09/2019	Morgan Stanley Australia Securities Limited	Sell	420.00 (AUD)	120 Ordinary Shares
5/09/2019	Morgan Stanley Australia Securities Limited	Sell	7.08 (AUD)	2 Ordinary Shares
5/09/2019	Morgan Stanley Capital Services LLC	Buy	N/A	120 Swaps
5/09/2019	Morgan Stanley Capital Services LLC	Sell	N/A	226 Swaps

Details after relevant event

Details for Morgan Stanley & Co. LLC

Nature of relevant interest(s): Shares held or in respect of which the holder may exercise control over disposal in the ordinary course of sales and trading businesses. The relevant agreements need not be attached under regulation 139.

For that relevant interest,—

- (a) number held in class: 1,110,928
- (b) percentage held in class: 0.404%
- (c) current registered holder(s): HSBC Nominees (New Zealand) Limited
- (d) registered holder(s) once transfers are registered: Unknown

Details for Morgan Stanley & Co. International Plc

Nature of relevant interest(s): Shares held or in respect of which the holder may exercise control over disposal in the ordinary course of sales and trading businesses. The relevant agreements need not be attached under regulation 139.

For that relevant interest,—

- (a) number held in class: 626,161
- (b) percentage held in class: 0.227%
- (c) current registered holder(s): HSBC Custody Nominees (Australia) Limited
- (d) registered holder(s) once transfers are registered: Unknown

Details for Morgan Stanley & Co. International Plc

Nature of relevant interest(s): Shares held or in respect of which the holder may exercise control over disposal in the ordinary course of sales and trading businesses. The relevant agreements need not be attached under regulation 139.

For that relevant interest,—

- (a) number held in class: 14,179,037
- (b) percentage held in class: 5.151%
- (c) current registered holder(s): HSBC Nominees (New Zealand) Limited
- (d) registered holder(s) once transfers are registered: Unknown

Details for Morgan Stanley Australia Securities Limited

Nature of relevant interest(s): Shares held or in respect of which the holder may exercise control over disposal in the ordinary course of sales and trading businesses. The relevant agreements need not be attached under regulation 139.

For that relevant interest,—

- (a) number held in class: 34,738
- (b) percentage held in class: 0.013%
- (c) current registered holder(s): Morgan Stanley Australia Securities (Nominee) Pty Limited
- (d) registered holder(s) once transfers are registered: Unknown

Details for Morgan Stanley & Co. International Plc

Nature of relevant interest(s): Derivative relevant interest over quoted underlying. The relevant agreement documents (1992 & 2002 ISDA Master Agreements) are attached in Annexure B (65 pages).

For that relevant interest,—

- (a) number held in class: 10,576
- (b) percentage held in class: 0.004%
- (c) current registered holder(s): Unknown
- (d) registered holder(s) once transfers are registered: Unknown

For a derivative relevant interest, also—

- (a) type of derivative: Swap agreement
- (b) details of derivative:
 - Long 3,735 cash – settled equity swap maturity/expiry date 6/15/2020
 - Long 4,847 cash – settled equity swap maturity/expiry date 6/15/2020
 - Long 5,692 cash – settled equity swap maturity/expiry date 6/15/2020
 - Long 21,056 cash – settled equity swap maturity/expiry date 6/15/2020
- (c) parties to the derivative:
 - 1. HIGHMARK LIMITED-HIGHMARK LONG/SHORT EQUITY 1
 - 2. BOGLE WORLD OFFSHORE FUND LIMITED.
 - 3. BOGLE OFFSHORE OPPORTUNITY FUND II SRI, LTD.
 - 4. BOGLE OFFSHORE OPPORTUNITY FUND I, LTD.

- (d) if the substantial product holder is not a party to the derivative, the nature of the relevant interest in the derivative: Not Applicable

Details for Morgan Stanley Capital Services LLC

Nature of relevant interest(s): Derivative relevant interest over quoted underlying. The relevant agreement documents (1992 & 2002 ISDA Master Agreements) are attached in Annexure B (65 pages).

For that relevant interest,—

- (a) number held in class: 147,082
- (b) percentage held in class: 0.053%
- (c) current registered holder(s): Unknown
- (d) registered holder(s) once transfers are registered: Unknown

For a derivative relevant interest, also—

- (a) type of derivative: Swap agreement
- (b) details of derivative:

Long 24,881 cash – settled equity swap maturity/expiry date 9/21/2020
Long 347,611 cash – settled equity swap maturity/expiry date 3/15/2021
Long 8,965 cash – settled equity swap maturity/expiry date 2/26/2021

- (c) parties to the derivative:

1. MAPLE LEAF PATRIOT CORE LLC
2. NIPUN ASIA TOTAL RETURN MASTER FUND, L.P.
3. CUBIST SYSTEMATIC STRATEGIES, LLC

- (d) if the substantial product holder is not a party to the derivative, the nature of the relevant interest in the derivative: Not Applicable

Details for Each of the entities (as listed in Annexure A) in the Morgan Stanley group upstream of the above entities

Nature of relevant interest(s): 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. The relevant agreements need not be attached under regulation 139.

For that relevant interest,—

- (a) Number held in class: 16,108,522
- (b) Percentage held in class: 5.852%

(c) Current registered holder(s):

HSBC Nominees (New Zealand) Limited;
HSBC Custody Nominees (Australia) Limited
Morgan Stanley Australia Securities (Nominee) Pty Limited

(d) Registered holder(s) once transfers are registered: Unknown

Additional information

Address(es) of substantial product holder(s):

Morgan Stanley - 1585 Broadway, New York, NY 10036, United States

Morgan Stanley & Co. LLC - 1585 Broadway, New York, NY 10036, United States

Morgan Stanley Capital Services LLC - 1585 Broadway, New York, NY 10036, United States

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, New South Wales 2000, Australia

Contact details: Tony Chen; Phone: +852 3963-1794, E-mail: apdoi@morganstanley.com

Nature of connection between substantial product holders: Please refer to Annexure A

Name of any other person believed to have given, or believed to be required to give, a disclosure under the Financial Markets Conduct Act 2013 in relation to the financial products to which this disclosure relates: Not Applicable

A handwritten signature in black ink that reads "Tony Chen". The signature is written in a cursive, flowing style.

Certification

I, Tony Chen, certify that, to the best of my knowledge and belief, the information contained in this disclosure is correct and that I am duly authorized to make this disclosure by all persons for whom it is made.

Annexure A

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

Entity
└─ Morgan Stanley
└─ Morgan Stanley Capital Management, LLC
└─ Morgan Stanley Domestic Holdings, Inc.
└─ Morgan Stanley Capital Services LLC
└─ Morgan Stanley & Co. LLC
└─ Morgan Stanley International Holdings Inc.
└─ Morgan Stanley International Limited
└─ Morgan Stanley Investments (UK)
└─ Morgan Stanley & Co. International plc
└─ Morgan Stanley International Incorporated
└─ Morgan Stanley (Australia) Securities Holdings Pty Limited
└─ Morgan Stanley Australia Securities Limited

Annexure B



International Swap Dealers Association, Inc.

MASTER AGREEMENT

dated as of

..... and

have entered and/or anticipate entering into one or more transactions (each a “Transaction”) that are or will be governed by this Master Agreement, which includes the schedule (the “Schedule”), and the documents and other confirming evidence (each a “Confirmation”) exchanged between the parties confirming those Transactions.

Accordingly, the parties agree as follows: —

1. Interpretation

- (a) **Definitions.** The terms defined in Section 14 and in the Schedule will have the meanings therein specified for the purpose of this Master Agreement.
- (b) **Inconsistency.** In the event of any inconsistency between the provisions of the Schedule and the other provisions of this Master Agreement, the Schedule will prevail. In the event of any inconsistency between the provisions of any Confirmation and this Master Agreement (including the Schedule), such Confirmation will prevail for the purpose of the relevant Transaction.
- (c) **Single Agreement.** All Transactions are entered into in reliance on the fact that this Master Agreement and all Confirmations form a single agreement between the parties (collectively referred to as this “Agreement”), and the parties would not otherwise enter into any Transactions.

2. Obligations

(a) General Conditions.

- (i) Each party will make each payment or delivery specified in each Confirmation to be made by it, subject to the other provisions of this Agreement.
- (ii) Payments under this Agreement will be made on the due date for value on that date in the place of the account specified in the relevant Confirmation or otherwise pursuant to this Agreement, in freely transferable funds and in the manner customary for payments in the required currency. Where settlement is by delivery (that is, other than by payment), such delivery will be made for receipt on the due date in the manner customary for the relevant obligation unless otherwise specified in the relevant Confirmation or elsewhere in this Agreement.
- (iii) Each obligation of each party under Section 2(a)(i) is subject to (1) the condition precedent that no Event of Default or Potential Event of Default with respect to the other party has occurred and is continuing, (2) the condition precedent that no Early Termination Date in respect of the relevant Transaction has occurred or been effectively designated and (3) each other applicable condition precedent specified in this Agreement.

(b) ***Change of Account.*** Either party may change its account for receiving a payment or delivery by giving notice to the other party at least five Local Business Days prior to the scheduled date for the payment or delivery to which such change applies unless such other party gives timely notice of a reasonable objection to such change.

(c) ***Netting.*** If on any date amounts would otherwise be payable:—

- (i) in the same currency; and
- (ii) in respect of the same Transaction,

by each party to the other, then, on such date, each party's obligation to make payment of any such amount will be automatically satisfied and discharged and, if the aggregate amount that would otherwise have been payable by one party exceeds the aggregate amount that would otherwise have been payable by the other party, replaced by an obligation upon the party by whom the larger aggregate amount would have been payable to pay to the other party the excess of the larger aggregate amount over the smaller aggregate amount.

The parties may elect in respect of two or more Transactions that a net amount will be determined in respect of all amounts payable on the same date in the same currency in respect of such Transactions, regardless of whether such amounts are payable in respect of the same Transaction. The election may be made in the Schedule or a Confirmation by specifying that subparagraph (ii) above will not apply to the Transactions identified as being subject to the election, together with the starting date (in which case subparagraph (ii) above will not, or will cease to, apply to such Transactions from such date). This election may be made separately for different groups of Transactions and will apply separately to each pairing of Offices through which the parties make and receive payments or deliveries.

(d) ***Deduction or Withholding for Tax.***

(i) ***Gross-Up.*** All payments under this Agreement will be made without any deduction or withholding for or on account of any Tax unless such deduction or withholding is required by any applicable law, as modified by the practice of any relevant governmental revenue authority, then in effect. If a party is so required to deduct or withhold, then that party ("X") will:—

- (1) promptly notify the other party ("Y") of such requirement;
- (2) pay to the relevant authorities the full amount required to be deducted or withheld (including the full amount required to be deducted or withheld from any additional amount paid by X to Y under this Section 2(d)) promptly upon the earlier of determining that such deduction or withholding is required or receiving notice that such amount has been assessed against Y;
- (3) promptly forward to Y an official receipt (or a certified copy), or other documentation reasonably acceptable to Y, evidencing such payment to such authorities; and
- (4) if such Tax is an Indemnifiable Tax, pay to Y, in addition to the payment to which Y is otherwise entitled under this Agreement, such additional amount as is necessary to ensure that the net amount actually received by Y (free and clear of Indemnifiable Taxes, whether assessed against X or Y) will equal the full amount Y would have received had no such deduction or withholding been required. However, X will not be required to pay any additional amount to Y to the extent that it would not be required to be paid but for:—

(A) the failure by Y to comply with or perform any agreement contained in Section 4(a)(i), 4(a)(iii) or 4(d); or

(B) the failure of a representation made by Y pursuant to Section 3(f) to be accurate and true unless such failure would not have occurred but for (I) any action taken by a taxing authority, or brought in a court of competent jurisdiction, on or after the date on which a Transaction is entered into (regardless of whether such action is taken or brought with respect to a party to this Agreement) or (II) a Change in Tax Law.

(ii) **Liability.** If: —

- (1) X is required by any applicable law, as modified by the practice of any relevant governmental revenue authority, to make any deduction or withholding in respect of which X would not be required to pay an additional amount to Y under Section 2(d)(i)(4);
- (2) X does not so deduct or withhold; and
- (3) a liability resulting from such Tax is assessed directly against X,

then, except to the extent Y has satisfied or then satisfies the liability resulting from such Tax, Y will promptly pay to X the amount of such liability (including any related liability for interest, but including any related liability for penalties only if Y has failed to comply with or perform any agreement contained in Section 4(a)(i), 4(a)(iii) or 4(d)).

(e) **Default Interest; Other Amounts.** Prior to the occurrence or effective designation of an Early Termination Date in respect of the relevant Transaction, a party that defaults in the performance of any payment obligation will, to the extent permitted by law and subject to Section 6(c), be required to pay interest (before as well as after judgment) on the overdue amount to the other party on demand in the same currency as such overdue amount, for the period from (and including) the original due date for payment to (but excluding) the date of actual payment, at the Default Rate. Such interest will be calculated on the basis of daily compounding and the actual number of days elapsed. If, prior to the occurrence or effective designation of an Early Termination Date in respect of the relevant Transaction, a party defaults in the performance of any obligation required to be settled by delivery, it will compensate the other party on demand if and to the extent provided for in the relevant Confirmation or elsewhere in this Agreement.

3. Representations

Each party represents to the other party (which representations will be deemed to be repeated by each party on each date on which a Transaction is entered into and, in the case of the representations in Section 3(f), at all times until the termination of this Agreement) that:—

(a) **Basic Representations.**

- (i) **Status.** It is duly organised and validly existing under the laws of the jurisdiction of its organisation or incorporation and, if relevant under such laws, in good standing;
- (ii) **Powers.** It has the power to execute this Agreement and any other documentation relating to this Agreement to which it is a party, to deliver this Agreement and any other documentation relating to this Agreement that it is required by this Agreement to deliver and to perform its obligations under this Agreement and any obligations it has under any Credit Support Document to which it is a party and has taken all necessary action to authorise such execution, delivery and performance;
- (iii) **No Violation or Conflict.** Such execution, delivery and performance do not violate or conflict with any law applicable to it, any provision of its constitutional documents, any order or judgment of any court or other agency of government applicable to it or any of its assets or any contractual restriction binding on or affecting it or any of its assets;
- (iv) **Consents.** All governmental and other consents that are required to have been obtained by it with respect to this Agreement or any Credit Support Document to which it is a party have been obtained and are in full force and effect and all conditions of any such consents have been complied with; and
- (v) **Obligations Binding.** Its obligations under this Agreement and any Credit Support Document to which it is a party constitute its legal, valid and binding obligations, enforceable in accordance with their respective terms (subject to applicable bankruptcy, reorganisation, insolvency, moratorium or similar laws affecting creditors' rights generally and subject, as to enforceability, to equitable principles of general application (regardless of whether enforcement is sought in a proceeding in equity or at law)).

(b) **Absence of Certain Events.** No Event of Default or Potential Event of Default or, to its knowledge, Termination Event with respect to it has occurred and is continuing and no such event or circumstance would occur as a result of its entering into or performing its obligations under this Agreement or any Credit Support Document to which it is a party.

(c) **Absence of Litigation.** There is not pending or, to its knowledge, threatened against it or any of its Affiliates any action, suit or proceeding at law or in equity or before any court, tribunal, governmental body, agency or official or any arbitrator that is likely to affect the legality, validity or enforceability against it of this Agreement or any Credit Support Document to which it is a party or its ability to perform its obligations under this Agreement or such Credit Support Document.

(d) **Accuracy of Specified Information.** All applicable information that is furnished in writing by or on behalf of it to the other party and is identified for the purpose of this Section 3(d) in the Schedule is, as of the date of the information, true, accurate and complete in every material respect.

(e) **Payer Tax Representation.** Each representation specified in the Schedule as being made by it for the purpose of this Section 3(e) is accurate and true.

(f) **Payee Tax Representations.** Each representation specified in the Schedule as being made by it for the purpose of this Section 3(f) is accurate and true.

4. Agreements

Each party agrees with the other that, so long as either party has or may have any obligation under this Agreement or under any Credit Support Document to which it is a party:—

(a) **Furnish Specified Information.** It will deliver to the other party or, in certain cases under subparagraph (iii) below, to such government or taxing authority as the other party reasonably directs:—

(i) any forms, documents or certificates relating to taxation specified in the Schedule or any Confirmation;

(ii) any other documents specified in the Schedule or any Confirmation; and

(iii) upon reasonable demand by such other party, any form or document that may be required or reasonably requested in writing in order to allow such other party or its Credit Support Provider to make a payment under this Agreement or any applicable Credit Support Document without any deduction or withholding for or on account of any Tax or with such deduction or withholding at a reduced rate (so long as the completion, execution or submission of such form or document would not materially prejudice the legal or commercial position of the party in receipt of such demand), with any such form or document to be accurate and completed in a manner reasonably satisfactory to such other party and to be executed and to be delivered with any reasonably required certification,

in each case by the date specified in the Schedule or such Confirmation or, if none is specified, as soon as reasonably practicable.

(b) **Maintain Authorisations.** It will use all reasonable efforts to maintain in full force and effect all consents of any governmental or other authority that are required to be obtained by it with respect to this Agreement or any Credit Support Document to which it is a party and will use all reasonable efforts to obtain any that may become necessary in the future.

(c) **Comply with Laws.** It will comply in all material respects with all applicable laws and orders to which it may be subject if failure so to comply would materially impair its ability to perform its obligations under this Agreement or any Credit Support Document to which it is a party.

(d) **Tax Agreement.** It will give notice of any failure of a representation made by it under Section 3(f) to be accurate and true promptly upon learning of such failure.

(e) **Payment of Stamp Tax.** Subject to Section 11, it will pay any Stamp Tax levied or imposed upon it or in respect of its execution or performance of this Agreement by a jurisdiction in which it is incorporated,

organised, managed and controlled, or considered to have its seat, or in which a branch or office through which it is acting for the purpose of this Agreement is located (“Stamp Tax Jurisdiction”) and will indemnify the other party against any Stamp Tax levied or imposed upon the other party or in respect of the other party’s execution or performance of this Agreement by any such Stamp Tax Jurisdiction which is not also a Stamp Tax Jurisdiction with respect to the other party.

5. Events of Default and Termination Events

(a) **Events of Default.** The occurrence at any time with respect to a party or, if applicable, any Credit Support Provider of such party or any Specified Entity of such party of any of the following events constitutes an event of default (an “Event of Default”) with respect to such party:—

(i) **Failure to Pay or Deliver.** Failure by the party to make, when due, any payment under this Agreement or delivery under Section 2(a)(i) or 2(e) required to be made by it if such failure is not remedied on or before the third Local Business Day after notice of such failure is given to the party;

(ii) **Breach of Agreement.** Failure by the party to comply with or perform any agreement or obligation (other than an obligation to make any payment under this Agreement or delivery under Section 2(a)(i) or 2(e) or to give notice of a Termination Event or any agreement or obligation under Section 4(a)(i), 4(a)(iii) or 4(d)) to be complied with or performed by the party in accordance with this Agreement if such failure is not remedied on or before the thirtieth day after notice of such failure is given to the party;

(iii) **Credit Support Default.**

(1) Failure by the party or any Credit Support Provider of such party to comply with or perform any agreement or obligation to be complied with or performed by it in accordance with any Credit Support Document if such failure is continuing after any applicable grace period has elapsed;

(2) the expiration or termination of such Credit Support Document or the failing or ceasing of such Credit Support Document to be in full force and effect for the purpose of this Agreement (in either case other than in accordance with its terms) prior to the satisfaction of all obligations of such party under each Transaction to which such Credit Support Document relates without the written consent of the other party; or

(3) the party or such Credit Support Provider disaffirms, disclaims, repudiates or rejects, in whole or in part, or challenges the validity of, such Credit Support Document;

(iv) **Misrepresentation.** A representation (other than a representation under Section 3(e) or (f)) made or repeated or deemed to have been made or repeated by the party or any Credit Support Provider of such party in this Agreement or any Credit Support Document proves to have been incorrect or misleading in any material respect when made or repeated or deemed to have been made or repeated;

(v) **Default under Specified Transaction.** The party, any Credit Support Provider of such party or any applicable Specified Entity of such party (1) defaults under a Specified Transaction and, after giving effect to any applicable notice requirement or grace period, there occurs a liquidation of, an acceleration of obligations under, or an early termination of, that Specified Transaction, (2) defaults, after giving effect to any applicable notice requirement or grace period, in making any payment or delivery due on the last payment, delivery or exchange date of, or any payment on early termination of, a Specified Transaction (or such default continues for at least three Local Business Days if there is no applicable notice requirement or grace period) or (3) disaffirms, disclaims, repudiates or rejects, in whole or in part, a Specified Transaction (or such action is taken by any person or entity appointed or empowered to operate it or act on its behalf);

(vi) **Cross Default.** If “Cross Default” is specified in the Schedule as applying to the party, the occurrence or existence of (1) a default, event of default or other similar condition or event (however

described) in respect of such party, any Credit Support Provider of such party or any applicable Specified Entity of such party under one or more agreements or instruments relating to Specified Indebtedness of any of them (individually or collectively) in an aggregate amount of not less than the applicable Threshold Amount (as specified in the Schedule) which has resulted in such Specified Indebtedness becoming, or becoming capable at such time of being declared, due and payable under such agreements or instruments, before it would otherwise have been due and payable or (2) a default by such party, such Credit Support Provider or such Specified Entity (individually or collectively) in making one or more payments on the due date thereof in an aggregate amount of not less than the applicable Threshold Amount under such agreements or instruments (after giving effect to any applicable notice requirement or grace period);

(vii) **Bankruptcy.** The party, any Credit Support Provider of such party or any applicable Specified Entity of such party: —

(1) is dissolved (other than pursuant to a consolidation, amalgamation or merger); (2) becomes insolvent or is unable to pay its debts or fails or admits in writing its inability generally to pay its debts as they become due; (3) makes a general assignment, arrangement or composition with or for the benefit of its creditors; (4) institutes or has instituted against it a proceeding seeking a judgment of insolvency or bankruptcy or any other relief under any bankruptcy or insolvency law or other similar law affecting creditors' rights, or a petition is presented for its winding-up or liquidation, and, in the case of any such proceeding or petition instituted or presented against it, such proceeding or petition (A) results in a judgment of insolvency or bankruptcy or the entry of an order for relief or the making of an order for its winding-up or liquidation or (B) is not dismissed, discharged, stayed or restrained in each case within 30 days of the institution or presentation thereof; (5) has a resolution passed for its winding-up, official management or liquidation (other than pursuant to a consolidation, amalgamation or merger); (6) seeks or becomes subject to the appointment of an administrator, provisional liquidator, conservator, receiver, trustee, custodian or other similar official for it or for all or substantially all its assets; (7) has a secured party take possession of all or substantially all its assets or has a distress, execution, attachment, sequestration or other legal process levied, enforced or sued on or against all or substantially all its assets and such secured party maintains possession, or any such process is not dismissed, discharged, stayed or restrained, in each case within 30 days thereafter; (8) causes or is subject to any event with respect to it which, under the applicable laws of any jurisdiction, has an analogous effect to any of the events specified in clauses (1) to (7) (inclusive); or (9) takes any action in furtherance of, or indicating its consent to, approval of, or acquiescence in, any of the foregoing acts; or

(viii) **Merger Without Assumption.** The party or any Credit Support Provider of such party consolidates or amalgamates with, or merges with or into, or transfers all or substantially all its assets to, another entity and, at the time of such consolidation, amalgamation, merger or transfer: —

(1) the resulting, surviving or transferee entity fails to assume all the obligations of such party or such Credit Support Provider under this Agreement or any Credit Support Document to which it or its predecessor was a party by operation of law or pursuant to an agreement reasonably satisfactory to the other party to this Agreement; or

(2) the benefits of any Credit Support Document fail to extend (without the consent of the other party) to the performance by such resulting, surviving or transferee entity of its obligations under this Agreement.

(b) **Termination Events.** The occurrence at any time with respect to a party or, if applicable, any Credit Support Provider of such party or any Specified Entity of such party of any event specified below constitutes an Illegality if the event is specified in (i) below, a Tax Event if the event is specified in (ii) below or a Tax Event Upon Merger if the event is specified in (iii) below, and, if specified to be applicable, a Credit Event

Upon Merger if the event is specified pursuant to (iv) below or an Additional Termination Event if the event is specified pursuant to (v) below:—

- (i) **Illegality.** Due to the adoption of, or any change in, any applicable law after the date on which a Transaction is entered into, or due to the promulgation of, or any change in, the interpretation by any court, tribunal or regulatory authority with competent jurisdiction of any applicable law after such date, it becomes unlawful (other than as a result of a breach by the party of Section 4(b)) for such party (which will be the Affected Party): —
 - (1) to perform any absolute or contingent obligation to make a payment or delivery or to receive a payment or delivery in respect of such Transaction or to comply with any other material provision of this Agreement relating to such Transaction; or
 - (2) to perform, or for any Credit Support Provider of such party to perform, any contingent or other obligation which the party (or such Credit Support Provider) has under any Credit Support Document relating to such Transaction;
 - (ii) **Tax Event.** Due to (x) any action taken by a taxing authority, or brought in a court of competent jurisdiction, on or after the date on which a Transaction is entered into (regardless of whether such action is taken or brought with respect to a party to this Agreement) or (y) a Change in Tax Law, the party (which will be the Affected Party) will, or there is a substantial likelihood that it will, on the next succeeding Scheduled Payment Date (1) be required to pay to the other party an additional amount in respect of an Indemnifiable Tax under Section 2(d)(i)(4) (except in respect of interest under Section 2(e), 6(d)(ii) or 6(e)) or (2) receive a payment from which an amount is required to be deducted or withheld for or on account of a Tax (except in respect of interest under Section 2(e), 6(d)(ii) or 6(e)) and no additional amount is required to be paid in respect of such Tax under Section 2(d)(i)(4) (other than by reason of Section 2(d)(i)(4)(A) or (B));
 - (iii) **Tax Event Upon Merger.** The party (the “Burdened Party”) on the next succeeding Scheduled Payment Date will either (1) be required to pay an additional amount in respect of an Indemnifiable Tax under Section 2(d)(i)(4) (except in respect of interest under Section 2(e), 6(d)(ii) or 6(e)) or (2) receive a payment from which an amount has been deducted or withheld for or on account of any Indemnifiable Tax in respect of which the other party is not required to pay an additional amount (other than by reason of Section 2(d)(i)(4)(A) or (B)), in either case as a result of a party consolidating or amalgamating with, or merging with or into, or transferring all or substantially all its assets to, another entity (which will be the Affected Party) where such action does not constitute an event described in Section 5(a)(viii);
 - (iv) **Credit Event Upon Merger.** If “Credit Event Upon Merger” is specified in the Schedule as applying to the party, such party (“X”), any Credit Support Provider of X or any applicable Specified Entity of X consolidates or amalgamates with, or merges with or into, or transfers all or substantially all its assets to, another entity and such action does not constitute an event described in Section 5(a)(viii) but the creditworthiness of the resulting, surviving or transferee entity is materially weaker than that of X, such Credit Support Provider or such Specified Entity, as the case may be, immediately prior to such action (and, in such event, X or its successor or transferee, as appropriate, will be the Affected Party); or
 - (v) **Additional Termination Event.** If any “Additional Termination Event” is specified in the Schedule or any Confirmation as applying, the occurrence of such event (and, in such event, the Affected Party or Affected Parties shall be as specified for such Additional Termination Event in the Schedule or such Confirmation).
- (c) **Event of Default and Illegality.** If an event or circumstance which would otherwise constitute or give rise to an Event of Default also constitutes an Illegality, it will be treated as an Illegality and will not constitute an Event of Default.

6. Early Termination

(a) **Right to Terminate Following Event of Default.** If at any time an Event of Default with respect to a party (the “Defaulting Party”) has occurred and is then continuing, the other party (the “Non-defaulting Party”) may, by not more than 20 days notice to the Defaulting Party specifying the relevant Event of Default, designate a day not earlier than the day such notice is effective as an Early Termination Date in respect of all outstanding Transactions. If, however, “Automatic Early Termination” is specified in the Schedule as applying to a party, then an Early Termination Date in respect of all outstanding Transactions will occur immediately upon the occurrence with respect to such party of an Event of Default specified in Section 5(a)(vii)(1), (3), (5), (6) or, to the extent analogous thereto, (8), and as of the time immediately preceding the institution of the relevant proceeding or the presentation of the relevant petition upon the occurrence with respect to such party of an Event of Default specified in Section 5(a)(vii)(4) or, to the extent analogous thereto, (8).

(b) **Right to Terminate Following Termination Event.**

(i) **Notice.** If a Termination Event occurs, an Affected Party will, promptly upon becoming aware of it, notify the other party, specifying the nature of that Termination Event and each Affected Transaction and will also give such other information about that Termination Event as the other party may reasonably require.

(ii) **Transfer to Avoid Termination Event.** If either an Illegality under Section 5(b)(i)(1) or a Tax Event occurs and there is only one Affected Party, or if a Tax Event Upon Merger occurs and the Burdened Party is the Affected Party, the Affected Party will, as a condition to its right to designate an Early Termination Date under Section 6(b)(iv), use all reasonable efforts (which will not require such party to incur a loss, excluding immaterial, incidental expenses) to transfer within 20 days after it gives notice under Section 6(b)(i) all its rights and obligations under this Agreement in respect of the Affected Transactions to another of its Offices or Affiliates so that such Termination Event ceases to exist.

If the Affected Party is not able to make such a transfer it will give notice to the other party to that effect within such 20 day period, whereupon the other party may effect such a transfer within 30 days after the notice is given under Section 6(b)(i).

Any such transfer by a party under this Section 6(b)(ii) will be subject to and conditional upon the prior written consent of the other party, which consent will not be withheld if such other party’s policies in effect at such time would permit it to enter into transactions with the transferee on the terms proposed.

(iii) **Two Affected Parties.** If an Illegality under Section 5(b)(i)(1) or a Tax Event occurs and there are two Affected Parties, each party will use all reasonable efforts to reach agreement within 30 days after notice thereof is given under Section 6(b)(i) on action to avoid that Termination Event.

(iv) **Right to Terminate.** If: —

(1) a transfer under Section 6(b)(ii) or an agreement under Section 6(b)(iii), as the case may be, has not been effected with respect to all Affected Transactions within 30 days after an Affected Party gives notice under Section 6(b)(i); or

(2) an Illegality under Section 5(b)(i)(2), a Credit Event Upon Merger or an Additional Termination Event occurs, or a Tax Event Upon Merger occurs and the Burdened Party is not the Affected Party,

either party in the case of an Illegality, the Burdened Party in the case of a Tax Event Upon Merger, any Affected Party in the case of a Tax Event or an Additional Termination Event if there is more than one Affected Party, or the party which is not the Affected Party in the case of a Credit Event Upon Merger or an Additional Termination Event if there is only one Affected Party may, by not more than 20 days notice to the other party and provided that the relevant Termination Event is then

continuing, designate a day not earlier than the day such notice is effective as an Early Termination Date in respect of all Affected Transactions.

(c) ***Effect of Designation.***

(i) If notice designating an Early Termination Date is given under Section 6(a) or (b), the Early Termination Date will occur on the date so designated, whether or not the relevant Event of Default or Termination Event is then continuing.

(ii) Upon the occurrence or effective designation of an Early Termination Date, no further payments or deliveries under Section 2(a)(i) or 2(e) in respect of the Terminated Transactions will be required to be made, but without prejudice to the other provisions of this Agreement. The amount, if any, payable in respect of an Early Termination Date shall be determined pursuant to Section 6(e).

(d) ***Calculations.***

(i) ***Statement.*** On or as soon as reasonably practicable following the occurrence of an Early Termination Date, each party will make the calculations on its part, if any, contemplated by Section 6(e) and will provide to the other party a statement (1) showing, in reasonable detail, such calculations (including all relevant quotations and specifying any amount payable under Section 6(e)) and (2) giving details of the relevant account to which any amount payable to it is to be paid. In the absence of written confirmation from the source of a quotation obtained in determining a Market Quotation, the records of the party obtaining such quotation will be conclusive evidence of the existence and accuracy of such quotation.

(ii) ***Payment Date.*** An amount calculated as being due in respect of any Early Termination Date under Section 6(e) will be payable on the day that notice of the amount payable is effective (in the case of an Early Termination Date which is designated or occurs as a result of an Event of Default) and on the day which is two Local Business Days after the day on which notice of the amount payable is effective (in the case of an Early Termination Date which is designated as a result of a Termination Event). Such amount will be paid together with (to the extent permitted under applicable law) interest thereon (before as well as after judgment) in the Termination Currency, from (and including) the relevant Early Termination Date to (but excluding) the date such amount is paid, at the Applicable Rate. Such interest will be calculated on the basis of daily compounding and the actual number of days elapsed.

(e) ***Payments on Early Termination.*** If an Early Termination Date occurs, the following provisions shall apply based on the parties' election in the Schedule of a payment measure, either "Market Quotation" or "Loss", and a payment method, either the "First Method" or the "Second Method". If the parties fail to designate a payment measure or payment method in the Schedule, it will be deemed that "Market Quotation" or the "Second Method", as the case may be, shall apply. The amount, if any, payable in respect of an Early Termination Date and determined pursuant to this Section will be subject to any Set-off.

(i) ***Events of Default.*** If the Early Termination Date results from an Event of Default: —

(1) ***First Method and Market Quotation.*** If the First Method and Market Quotation apply, the Defaulting Party will pay to the Non-defaulting Party the excess, if a positive number, of (A) the sum of the Settlement Amount (determined by the Non-defaulting Party) in respect of the Terminated Transactions and the Termination Currency Equivalent of the Unpaid Amounts owing to the Non-defaulting Party over (B) the Termination Currency Equivalent of the Unpaid Amounts owing to the Defaulting Party.

(2) ***First Method and Loss.*** If the First Method and Loss apply, the Defaulting Party will pay to the Non-defaulting Party, if a positive number, the Non-defaulting Party's Loss in respect of this Agreement.

(3) ***Second Method and Market Quotation.*** If the Second Method and Market Quotation apply, an amount will be payable equal to (A) the sum of the Settlement Amount (determined by the

Non-defaulting Party) in respect of the Terminated Transactions and the Termination Currency Equivalent of the Unpaid Amounts owing to the Non-defaulting Party less (B) the Termination Currency Equivalent of the Unpaid Amounts owing to the Defaulting Party. If that amount is a positive number, the Defaulting Party will pay it to the Non-defaulting Party; if it is a negative number, the Non-defaulting Party will pay the absolute value of that amount to the Defaulting Party.

(4) *Second Method and Loss*. If the Second Method and Loss apply, an amount will be payable equal to the Non-defaulting Party's Loss in respect of this Agreement. If that amount is a positive number, the Defaulting Party will pay it to the Non-defaulting Party; if it is a negative number, the Non-defaulting Party will pay the absolute value of that amount to the Defaulting Party.

(ii) **Termination Events**. If the Early Termination Date results from a Termination Event: —

(1) *One Affected Party*. If there is one Affected Party, the amount payable will be determined in accordance with Section 6(e)(i)(3), if Market Quotation applies, or Section 6(e)(i)(4), if Loss applies, except that, in either case, references to the Defaulting Party and to the Non-defaulting Party will be deemed to be references to the Affected Party and the party which is not the Affected Party, respectively, and, if Loss applies and fewer than all the Transactions are being terminated, Loss shall be calculated in respect of all Terminated Transactions.

(2) *Two Affected Parties*. If there are two Affected Parties: —

(A) if Market Quotation applies, each party will determine a Settlement Amount in respect of the Terminated Transactions, and an amount will be payable equal to (I) the sum of (a) one-half of the difference between the Settlement Amount of the party with the higher Settlement Amount ("X") and the Settlement Amount of the party with the lower Settlement Amount ("Y") and (b) the Termination Currency Equivalent of the Unpaid Amounts owing to X less (II) the Termination Currency Equivalent of the Unpaid Amounts owing to Y; and

(B) if Loss applies, each party will determine its Loss in respect of this Agreement (or, if fewer than all the Transactions are being terminated, in respect of all Terminated Transactions) and an amount will be payable equal to one-half of the difference between the Loss of the party with the higher Loss ("X") and the Loss of the party with the lower Loss ("Y").

If the amount payable is a positive number, Y will pay it to X; if it is a negative number, X will pay the absolute value of that amount to Y.

(iii) **Adjustment for Bankruptcy**. In circumstances where an Early Termination Date occurs because "Automatic Early Termination" applies in respect of a party, the amount determined under this Section 6(e) will be subject to such adjustments as are appropriate and permitted by law to reflect any payments or deliveries made by one party to the other under this Agreement (and retained by such other party) during the period from the relevant Early Termination Date to the date for payment determined under Section 6(d)(ii).

(iv) **Pre-Estimate**. The parties agree that if Market Quotation applies an amount recoverable under this Section 6(e) is a reasonable pre-estimate of loss and not a penalty. Such amount is payable for the loss of bargain and the loss of protection against future risks and except as otherwise provided in this Agreement neither party will be entitled to recover any additional damages as a consequence of such losses.

7. Transfer

Subject to Section 6(b)(ii), neither this Agreement nor any interest or obligation in or under this Agreement may be transferred (whether by way of security or otherwise) by either party without the prior written consent of the other party, except that: —

- (a) a party may make such a transfer of this Agreement pursuant to a consolidation or amalgamation with, or merger with or into, or transfer of all or substantially all its assets to, another entity (but without prejudice to any other right or remedy under this Agreement); and
- (b) a party may make such a transfer of all or any part of its interest in any amount payable to it from a Defaulting Party under Section 6(e).

Any purported transfer that is not in compliance with this Section will be void.

8. Contractual Currency

(a) ***Payment in the Contractual Currency.*** Each payment under this Agreement will be made in the relevant currency specified in this Agreement for that payment (the “Contractual Currency”). To the extent permitted by applicable law, any obligation to make payments under this Agreement in the Contractual Currency will not be discharged or satisfied by any tender in any currency other than the Contractual Currency, except to the extent such tender results in the actual receipt by the party to which payment is owed, acting in a reasonable manner and in good faith in converting the currency so tendered into the Contractual Currency, of the full amount in the Contractual Currency of all amounts payable in respect of this Agreement. If for any reason the amount in the Contractual Currency so received falls short of the amount in the Contractual Currency payable in respect of this Agreement, the party required to make the payment will, to the extent permitted by applicable law, immediately pay such additional amount in the Contractual Currency as may be necessary to compensate for the shortfall. If for any reason the amount in the Contractual Currency so received exceeds the amount in the Contractual Currency payable in respect of this Agreement, the party receiving the payment will refund promptly the amount of such excess.

(b) ***Judgments.*** To the extent permitted by applicable law, if any judgment or order expressed in a currency other than the Contractual Currency is rendered (i) for the payment of any amount owing in respect of this Agreement, (ii) for the payment of any amount relating to any early termination in respect of this Agreement or (iii) in respect of a judgment or order of another court for the payment of any amount described in (i) or (ii) above, the party seeking recovery, after recovery in full of the aggregate amount to which such party is entitled pursuant to the judgment or order, will be entitled to receive immediately from the other party the amount of any shortfall of the Contractual Currency received by such party as a consequence of sums paid in such other currency and will refund promptly to the other party any excess of the Contractual Currency received by such party as a consequence of sums paid in such other currency if such shortfall or such excess arises or results from any variation between the rate of exchange at which the Contractual Currency is converted into the currency of the judgment or order for the purposes of such judgment or order and the rate of exchange at which such party is able, acting in a reasonable manner and in good faith in converting the currency received into the Contractual Currency, to purchase the Contractual Currency with the amount of the currency of the judgment or order actually received by such party. The term “rate of exchange” includes, without limitation, any premiums and costs of exchange payable in connection with the purchase of or conversion into the Contractual Currency.

(c) ***Separate Indemnities.*** To the extent permitted by applicable law, these indemnities constitute separate and independent obligations from the other obligations in this Agreement, will be enforceable as separate and independent causes of action, will apply notwithstanding any indulgence granted by the party to which any payment is owed and will not be affected by judgment being obtained or claim or proof being made for any other sums payable in respect of this Agreement.

(d) ***Evidence of Loss.*** For the purpose of this Section 8, it will be sufficient for a party to demonstrate that it would have suffered a loss had an actual exchange or purchase been made.

9. Miscellaneous

- (a) **Entire Agreement.** This Agreement constitutes the entire agreement and understanding of the parties with respect to its subject matter and supersedes all oral communication and prior writings with respect thereto.
- (b) **Amendments.** No amendment, modification or waiver in respect of this Agreement will be effective unless in writing (including a writing evidenced by a facsimile transmission) and executed by each of the parties or confirmed by an exchange of telexes or electronic messages on an electronic messaging system.
- (c) **Survival of Obligations.** Without prejudice to Sections 2(a)(iii) and 6(c)(ii), the obligations of the parties under this Agreement will survive the termination of any Transaction.
- (d) **Remedies Cumulative.** Except as provided in this Agreement, the rights, powers, remedies and privileges provided in this Agreement are cumulative and not exclusive of any rights, powers, remedies and privileges provided by law.
- (e) **Counterparts and Confirmations.**
 - (i) This Agreement (and each amendment, modification and waiver in respect of it) may be executed and delivered in counterparts (including by facsimile transmission), each of which will be deemed an original.
 - (ii) The parties intend that they are legally bound by the terms of each Transaction from the moment they agree to those terms (whether orally or otherwise). A Confirmation shall be entered into as soon as practicable and may be executed and delivered in counterparts (including by facsimile transmission) or be created by an exchange of telexes or by an exchange of electronic messages on an electronic messaging system, which in each case will be sufficient for all purposes to evidence a binding supplement to this Agreement. The parties will specify therein or through another effective means that any such counterpart, telex or electronic message constitutes a Confirmation.
- (f) **No Waiver of Rights.** A failure or delay in exercising any right, power or privilege in respect of this Agreement will not be presumed to operate as a waiver, and a single or partial exercise of any right, power or privilege will not be presumed to preclude any subsequent or further exercise, of that right, power or privilege or the exercise of any other right, power or privilege.
- (g) **Headings.** The headings used in this Agreement are for convenience of reference only and are not to affect the construction of or to be taken into consideration in interpreting this Agreement.

10. Offices; Multibranch Parties

- (a) If Section 10(a) is specified in the Schedule as applying, each party that enters into a Transaction through an Office other than its head or home office represents to the other party that, notwithstanding the place of booking office or jurisdiction of incorporation or organisation of such party, the obligations of such party are the same as if it had entered into the Transaction through its head or home office. This representation will be deemed to be repeated by such party on each date on which a Transaction is entered into.
- (b) Neither party may change the Office through which it makes and receives payments or deliveries for the purpose of a Transaction without the prior written consent of the other party.
- (c) If a party is specified as a Multibranch Party in the Schedule, such Multibranch Party may make and receive payments or deliveries under any Transaction through any Office listed in the Schedule, and the Office through which it makes and receives payments or deliveries with respect to a Transaction will be specified in the relevant Confirmation.

11. Expenses

A Defaulting Party will, on demand, indemnify and hold harmless the other party for and against all reasonable out-of-pocket expenses, including legal fees and Stamp Tax, incurred by such other party by reason of the enforcement and protection of its rights under this Agreement or any Credit Support Document

to which the Defaulting Party is a party or by reason of the early termination of any Transaction, including, but not limited to, costs of collection.

12. Notices

(a) **Effectiveness.** Any notice or other communication in respect of this Agreement may be given in any manner set forth below (except that a notice or other communication under Section 5 or 6 may not be given by facsimile transmission or electronic messaging system) to the address or number or in accordance with the electronic messaging system details provided (see the Schedule) and will be deemed effective as indicated:—

- (i) if in writing and delivered in person or by courier, on the date it is delivered;
- (ii) if sent by telex, on the date the recipient's answerback is received;
- (iii) if sent by facsimile transmission, on the date that transmission is received by a responsible employee of the recipient in legible form (it being agreed that the burden of proving receipt will be on the sender and will not be met by a transmission report generated by the sender's facsimile machine);
- (iv) if sent by certified or registered mail (airmail, if overseas) or the equivalent (return receipt requested), on the date that mail is delivered or its delivery is attempted; or
- (v) if sent by electronic messaging system, on the date that electronic message is received,

unless the date of that delivery (or attempted delivery) or that receipt, as applicable, is not a Local Business Day or that communication is delivered (or attempted) or received, as applicable, after the close of business on a Local Business Day, in which case that communication shall be deemed given and effective on the first following day that is a Local Business Day.

(b) **Change of Addresses.** Either party may by notice to the other change the address, telex or facsimile number or electronic messaging system details at which notices or other communications are to be given to it.

13. Governing Law and Jurisdiction

(a) **Governing Law.** This Agreement will be governed by and construed in accordance with the law specified in the Schedule.

(b) **Jurisdiction.** With respect to any suit, action or proceedings relating to this Agreement ("Proceedings"), each party irrevocably:—

- (i) submits to the jurisdiction of the English courts, if this Agreement is expressed to be governed by English law, or to the non-exclusive jurisdiction of the courts of the State of New York and the United States District Court located in the Borough of Manhattan in New York City, if this Agreement is expressed to be governed by the laws of the State of New York; and
- (ii) waives any objection which it may have at any time to the laying of venue of any Proceedings brought in any such court, waives any claim that such Proceedings have been brought in an inconvenient forum and further waives the right to object, with respect to such Proceedings, that such court does not have any jurisdiction over such party.

Nothing in this Agreement precludes either party from bringing Proceedings in any other jurisdiction (outside, if this Agreement is expressed to be governed by English law, the Contracting States, as defined in Section 1(3) of the Civil Jurisdiction and Judgments Act 1982 or any modification, extension or re-enactment thereof for the time being in force) nor will the bringing of Proceedings in any one or more jurisdictions preclude the bringing of Proceedings in any other jurisdiction.

(c) **Service of Process.** Each party irrevocably appoints the Process Agent (if any) specified opposite its name in the Schedule to receive, for it and on its behalf, service of process in any Proceedings. If for any

reason any party's Process Agent is unable to act as such, such party will promptly notify the other party and within 30 days appoint a substitute process agent acceptable to the other party. The parties irrevocably consent to service of process given in the manner provided for notices in Section 12. Nothing in this Agreement will affect the right of either party to serve process in any other manner permitted by law.

(d) **Waiver of Immunities.** Each party irrevocably waives, to the fullest extent permitted by applicable law, with respect to itself and its revenues and assets (irrespective of their use or intended use), all immunity on the grounds of sovereignty or other similar grounds from (i) suit, (ii) jurisdiction of any court, (iii) relief by way of injunction, order for specific performance or for recovery of property, (iv) attachment of its assets (whether before or after judgment) and (v) execution or enforcement of any judgment to which it or its revenues or assets might otherwise be entitled in any Proceedings in the courts of any jurisdiction and irrevocably agrees, to the extent permitted by applicable law, that it will not claim any such immunity in any Proceedings.

14. Definitions

As used in this Agreement:—

“Additional Termination Event” has the meaning specified in Section 5(b).

“Affected Party” has the meaning specified in Section 5(b).

“Affected Transactions” means (a) with respect to any Termination Event consisting of an Illegality, Tax Event or Tax Event Upon Merger, all Transactions affected by the occurrence of such Termination Event and (b) with respect to any other Termination Event, all Transactions.

“Affiliate” means, subject to the Schedule, in relation to any person, any entity controlled, directly or indirectly, by the person, any entity that controls, directly or indirectly, the person or any entity directly or indirectly under common control with the person. For this purpose, “control” of any entity or person means ownership of a majority of the voting power of the entity or person.

“Applicable Rate” means:—

- (a) in respect of obligations payable or deliverable (or which would have been but for Section 2(a)(iii)) by a Defaulting Party, the Default Rate;
- (b) in respect of an obligation to pay an amount under Section 6(e) of either party from and after the date (determined in accordance with Section 6(d)(ii)) on which that amount is payable, the Default Rate;
- (c) in respect of all other obligations payable or deliverable (or which would have been but for Section 2(a)(iii)) by a Non-defaulting Party, the Non-default Rate; and
- (d) in all other cases, the Termination Rate.

“Burdened Party” has the meaning specified in Section 5(b).

“Change in Tax Law” means the enactment, promulgation, execution or ratification of, or any change in or amendment to, any law (or in the application or official interpretation of any law) that occurs on or after the date on which the relevant Transaction is entered into.

“consent” includes a consent, approval, action, authorisation, exemption, notice, filing, registration or exchange control consent.

“Credit Event Upon Merger” has the meaning specified in Section 5(b).

“Credit Support Document” means any agreement or instrument that is specified as such in this Agreement.

“Credit Support Provider” has the meaning specified in the Schedule.

“Default Rate” means a rate per annum equal to the cost (without proof or evidence of any actual cost) to the relevant payee (as certified by it) if it were to fund or of funding the relevant amount plus 1% per annum.

“Defaulting Party” has the meaning specified in Section 6(a).

“Early Termination Date” means the date determined in accordance with Section 6(a) or 6(b)(iv).

“Event of Default” has the meaning specified in Section 5(a) and, if applicable, in the Schedule.

“Illegality” has the meaning specified in Section 5(b).

“Indemnifiable Tax” means any Tax other than a Tax that would not be imposed in respect of a payment under this Agreement but for a present or former connection between the jurisdiction of the government or taxation authority imposing such Tax and the recipient of such payment or a person related to such recipient (including, without limitation, a connection arising from such recipient or related person being or having been a citizen or resident of such jurisdiction, or being or having been organised, present or engaged in a trade or business in such jurisdiction, or having or having had a permanent establishment or fixed place of business in such jurisdiction, but excluding a connection arising solely from such recipient or related person having executed, delivered, performed its obligations or received a payment under, or enforced, this Agreement or a Credit Support Document).

“law” includes any treaty, law, rule or regulation (as modified, in the case of tax matters, by the practice of any relevant governmental revenue authority) and **“lawful”** and **“unlawful”** will be construed accordingly.

“Local Business Day” means, subject to the Schedule, a day on which commercial banks are open for business (including dealings in foreign exchange and foreign currency deposits) (a) in relation to any obligation under Section 2(a)(i), in the place(s) specified in the relevant Confirmation or, if not so specified, as otherwise agreed by the parties in writing or determined pursuant to provisions contained, or incorporated by reference, in this Agreement, (b) in relation to any other payment, in the place where the relevant account is located and, if different, in the principal financial centre, if any, of the currency of such payment, (c) in relation to any notice or other communication, including notice contemplated under Section 5(a)(i), in the city specified in the address for notice provided by the recipient and, in the case of a notice contemplated by Section 2(b), in the place where the relevant new account is to be located and (d) in relation to Section 5(a)(v)(2), in the relevant locations for performance with respect to such Specified Transaction.

“Loss” means, with respect to this Agreement or one or more Terminated Transactions, as the case may be, and a party, the Termination Currency Equivalent of an amount that party reasonably determines in good faith to be its total losses and costs (or gain, in which case expressed as a negative number) in connection with this Agreement or that Terminated Transaction or group of Terminated Transactions, as the case may be, including any loss of bargain, cost of funding or, at the election of such party but without duplication, loss or cost incurred as a result of its terminating, liquidating, obtaining or reestablishing any hedge or related trading position (or any gain resulting from any of them). Loss includes losses and costs (or gains) in respect of any payment or delivery required to have been made (assuming satisfaction of each applicable condition precedent) on or before the relevant Early Termination Date and not made, except, so as to avoid duplication, if Section 6(e)(i)(1) or (3) or 6(e)(ii)(2)(A) applies. Loss does not include a party’s legal fees and out-of-pocket expenses referred to under Section 11. A party will determine its Loss as of the relevant Early Termination Date, or, if that is not reasonably practicable, as of the earliest date thereafter as is reasonably practicable. A party may (but need not) determine its Loss by reference to quotations of relevant rates or prices from one or more leading dealers in the relevant markets.

“Market Quotation” means, with respect to one or more Terminated Transactions and a party making the determination, an amount determined on the basis of quotations from Reference Market-makers. Each quotation will be for an amount, if any, that would be paid to such party (expressed as a negative number) or by such party (expressed as a positive number) in consideration of an agreement between such party (taking into account any existing Credit Support Document with respect to the obligations of such party) and the quoting Reference Market-maker to enter into a transaction (the “Replacement Transaction”) that would have the effect of preserving for such party the economic equivalent of any payment or delivery (whether the underlying obligation was absolute or contingent and assuming the satisfaction of each applicable condition precedent) by the parties under Section 2(a)(i) in respect of such Terminated Transaction or group of Terminated Transactions that would, but for the occurrence of the relevant Early Termination Date, have

been required after that date. For this purpose, Unpaid Amounts in respect of the Terminated Transaction or group of Terminated Transactions are to be excluded but, without limitation, any payment or delivery that would, but for the relevant Early Termination Date, have been required (assuming satisfaction of each applicable condition precedent) after that Early Termination Date is to be included. The Replacement Transaction would be subject to such documentation as such party and the Reference Market-maker may, in good faith, agree. The party making the determination (or its agent) will request each Reference Market-maker to provide its quotation to the extent reasonably practicable as of the same day and time (without regard to different time zones) on or as soon as reasonably practicable after the relevant Early Termination Date. The day and time as of which those quotations are to be obtained will be selected in good faith by the party obliged to make a determination under Section 6(e), and, if each party is so obliged, after consultation with the other. If more than three quotations are provided, the Market Quotation will be the arithmetic mean of the quotations, without regard to the quotations having the highest and lowest values. If exactly three such quotations are provided, the Market Quotation will be the quotation remaining after disregarding the highest and lowest quotations. For this purpose, if more than one quotation has the same highest value or lowest value, then one of such quotations shall be disregarded. If fewer than three quotations are provided, it will be deemed that the Market Quotation in respect of such Terminated Transaction or group of Terminated Transactions cannot be determined.

“Non-default Rate” means a rate per annum equal to the cost (without proof or evidence of any actual cost) to the Non-defaulting Party (as certified by it) if it were to fund the relevant amount.

“Non-defaulting Party” has the meaning specified in Section 6(a).

“Office” means a branch or office of a party, which may be such party’s head or home office.

“Potential Event of Default” means any event which, with the giving of notice or the lapse of time or both, would constitute an Event of Default.

“Reference Market-makers” means four leading dealers in the relevant market selected by the party determining a Market Quotation in good faith (a) from among dealers of the highest credit standing which satisfy all the criteria that such party applies generally at the time in deciding whether to offer or to make an extension of credit and (b) to the extent practicable, from among such dealers having an office in the same city.

“Relevant Jurisdiction” means, with respect to a party, the jurisdictions (a) in which the party is incorporated, organised, managed and controlled or considered to have its seat, (b) where an Office through which the party is acting for purposes of this Agreement is located, (c) in which the party executes this Agreement and (d) in relation to any payment, from or through which such payment is made.

“Scheduled Payment Date” means a date on which a payment or delivery is to be made under Section 2(a)(i) with respect to a Transaction.

“Set-off” means set-off, offset, combination of accounts, right of retention or withholding or similar right or requirement to which the payer of an amount under Section 6 is entitled or subject (whether arising under this Agreement, another contract, applicable law or otherwise) that is exercised by, or imposed on, such payer.

“Settlement Amount” means, with respect to a party and any Early Termination Date, the sum of: —

(a) the Termination Currency Equivalent of the Market Quotations (whether positive or negative) for each Terminated Transaction or group of Terminated Transactions for which a Market Quotation is determined; and

(b) such party’s Loss (whether positive or negative and without reference to any Unpaid Amounts) for each Terminated Transaction or group of Terminated Transactions for which a Market Quotation cannot be determined or would not (in the reasonable belief of the party making the determination) produce a commercially reasonable result.

“Specified Entity” has the meanings specified in the Schedule.

“Specified Indebtedness” means, subject to the Schedule, any obligation (whether present or future, contingent or otherwise, as principal or surety or otherwise) in respect of borrowed money.

“Specified Transaction” means, subject to the Schedule, (a) any transaction (including an agreement with respect thereto) now existing or hereafter entered into between one party to this Agreement (or any Credit Support Provider of such party or any applicable Specified Entity of such party) and the other party to this Agreement (or any Credit Support Provider of such other party or any applicable Specified Entity of such other party) which is a rate swap transaction, basis swap, forward rate transaction, commodity swap, commodity option, equity or equity index swap, equity or equity index option, bond option, interest rate option, foreign exchange transaction, cap transaction, floor transaction, collar transaction, currency swap transaction, cross-currency rate swap transaction, currency option or any other similar transaction (including any option with respect to any of these transactions), (b) any combination of these transactions and (c) any other transaction identified as a Specified Transaction in this Agreement or the relevant confirmation.

“Stamp Tax” means any stamp, registration, documentation or similar tax.

“Tax” means any present or future tax, levy, impost, duty, charge, assessment or fee of any nature (including interest, penalties and additions thereto) that is imposed by any government or other taxing authority in respect of any payment under this Agreement other than a stamp, registration, documentation or similar tax.

“Tax Event” has the meaning specified in Section 5(b).

“Tax Event Upon Merger” has the meaning specified in Section 5(b).

“Terminated Transactions” means with respect to any Early Termination Date (a) if resulting from a Termination Event, all Affected Transactions and (b) if resulting from an Event of Default, all Transactions (in either case) in effect immediately before the effectiveness of the notice designating that Early Termination Date (or, if “Automatic Early Termination” applies, immediately before that Early Termination Date).

“Termination Currency” has the meaning specified in the Schedule.

“Termination Currency Equivalent” means, in respect of any amount denominated in the Termination Currency, such Termination Currency amount and, in respect of any amount denominated in a currency other than the Termination Currency (the “Other Currency”), the amount in the Termination Currency determined by the party making the relevant determination as being required to purchase such amount of such Other Currency as at the relevant Early Termination Date, or, if the relevant Market Quotation or Loss (as the case may be), is determined as of a later date, that later date, with the Termination Currency at the rate equal to the spot exchange rate of the foreign exchange agent (selected as provided below) for the purchase of such Other Currency with the Termination Currency at or about 11:00 a.m. (in the city in which such foreign exchange agent is located) on such date as would be customary for the determination of such a rate for the purchase of such Other Currency for value on the relevant Early Termination Date or that later date. The foreign exchange agent will, if only one party is obliged to make a determination under Section 6(e), be selected in good faith by that party and otherwise will be agreed by the parties.

“Termination Event” means an Illegality, a Tax Event or a Tax Event Upon Merger or, if specified to be applicable, a Credit Event Upon Merger or an Additional Termination Event.

“Termination Rate” means a rate per annum equal to the arithmetic mean of the cost (without proof or evidence of any actual cost) to each party (as certified by such party) if it were to fund or of funding such amounts.

“Unpaid Amounts” owing to any party means, with respect to an Early Termination Date, the aggregate of (a) in respect of all Terminated Transactions, the amounts that became payable (or that would have become payable but for Section 2(a)(iii)) to such party under Section 2(a)(i) on or prior to such Early Termination Date and which remain unpaid as at such Early Termination Date and (b) in respect of each Terminated Transaction, for each obligation under Section 2(a)(i) which was (or would have been but for Section 2(a)(iii)) required to be settled by delivery to such party on or prior to such Early Termination Date and which has not been so settled as at such Early Termination Date, an amount equal to the fair market

value of that which was (or would have been) required to be delivered as of the originally scheduled date for delivery, in each case together with (to the extent permitted under applicable law) interest, in the currency of such amounts, from (and including) the date such amounts or obligations were or would have been required to have been paid or performed to (but excluding) such Early Termination Date, at the Applicable Rate. Such amounts of interest will be calculated on the basis of daily compounding and the actual number of days elapsed. The fair market value of any obligation referred to in clause (b) above shall be reasonably determined by the party obliged to make the determination under Section 6(e) or, if each party is so obliged, it shall be the average of the Termination Currency Equivalents of the fair market values reasonably determined by both parties.

IN WITNESS WHEREOF the parties have executed this document on the respective dates specified below with effect from the date specified on the first page of this document.

.....
(Name of Party)	(Name of Party)
By:	By:
Name:	Name:
Title:	Title:
Date:	Date:



International Swap Dealers Association, Inc.

**SCHEDULE
to the
Master Agreement**

dated as of

between and
("Party A") ("Party B")

Part 1. Termination Provisions.

(a) ***"Specified Entity"*** means in relation to Party A for the purpose of: —

Section 5(a)(v),
Section 5(a)(vi),
Section 5(a)(vii),
Section 5(b)(iv),

and in relation to Party B for the purpose of:—

Section 5(a)(v),
Section 5(a)(vi),
Section 5(a)(vii),
Section 5(b)(iv),

(b) ***"Specified Transaction"*** will have the meaning specified in Section 14 of this Agreement unless
another meaning is specified here
.....
.....

(c) The ***"Cross Default"*** provisions of Section 5(a)(vi) will/will not * apply to Party A
will/will not * apply to Party B

If such provisions apply:—

"Specified Indebtedness" will have the meaning specified in Section 14 of this Agreement unless
another meaning is specified here
.....

* Delete as applicable.

“Threshold Amount” means

- (d) The **“Credit Event Upon Merger”** provisions of Section 5(b)(iv) will/will not * apply to Party A
will/will not * apply to Party B
- (e) The **“Automatic Early Termination”** provision of Section 6(a) will/will not * apply to Party A
will/will not * apply to Party B
- (f) **Payments on Early Termination.** For the purpose of Section 6(e) of this Agreement: —
- (i) Market Quotation/Loss * will apply.
- (ii) The First Method/The Second Method * will apply.
- (g) **“Termination Currency”** means, if such currency is specified and
freely available, and otherwise United States Dollars.
- (h) **Additional Termination Event** will/will not apply*. The following shall constitute an Additional
Termination Event: —

For the purpose of the foregoing Termination Event, the Affected Party or Affected Parties shall be: — ...

Part 2. Tax Representations.

- (a) **Payer Representations.** For the purpose of Section 3(e) of this Agreement, Party A will/will not* make the
following representation and Party B will/will not* make the following representation: —
- It is not required by any applicable law, as modified by the practice of any relevant governmental revenue
authority, of any Relevant Jurisdiction to make any deduction or withholding for or on account of any Tax
from any payment (other than interest under Section 2(e), 6(d)(ii) or 6(e) of this Agreement) to be made
by it to the other party under this Agreement. In making this representation, it may rely on (i) the accuracy
of any representations made by the other party pursuant to Section 3(f) of this Agreement, (ii) the
satisfaction of the agreement contained in Section 4(a)(i) or 4(a)(iii) of this Agreement and the accuracy
and effectiveness of any document provided by the other party pursuant to Section 4(a)(i) or 4(a)(iii) of
this Agreement and (iii) the satisfaction of the agreement of the other party contained in Section 4(d) of
this Agreement, *provided* that it shall not be a breach of this representation where reliance is placed on
clause (ii) and the other party does not deliver a form or document under Section 4(a)(iii) by reason of
material prejudice to its legal or commercial position.
- (b) **Payee Representations.** For the purpose of Section 3(f) of this Agreement, Party A and Party B make the
representations specified below, if any:
- (i) The following representation will/will not* apply to Party A and will/will not apply to Party B: —
- It is fully eligible for the benefits of the “Business Profits” or “Industrial and Commercial Profits”
provision, as the case may be, the “Interest” provision or the “Other Income” provision (if any) of the
Specified Treaty with respect to any payment described in such provisions and received or to be received

* Delete as applicable.

by it in connection with this Agreement and no such payment is attributable to a trade or business carried on by it through a permanent establishment in the Specified Jurisdiction.

If such representation applies, then: —

“Specified Treaty” means with respect to Party A

“Specified Jurisdiction” means with respect to Party A

“Specified Treaty” means with respect to Party B

“Specified Jurisdiction” means with respect to Party B

(ii) The following representation will/will not* apply to Party A and will/will not* apply to Party B: —

Each payment received or to be received by it in connection with this Agreement will be effectively connected with its conduct of a trade or business in the Specified Jurisdiction.

If such representation applies, then: —

“Specified Jurisdiction” means with respect to Party A

“Specified Jurisdiction” means with respect to Party B

(iii) The following representation will/will not* apply to Party A and will/will not* apply to Party B: —

(A) It is entering into each Transaction in the ordinary course of its trade as, and is, either (1) a recognised U.K. bank or (2) a recognised U.K. swaps dealer (in either case (1) or (2), for purposes of the United Kingdom Inland Revenue extra statutory concession C17 on interest and currency swaps dated March 14, 1989), and (B) it will bring into account payments made and received in respect of each Transaction in computing its income for United Kingdom tax purposes.

(iv) Other Payee Representations: —

.....

.....

.....

N.B. The above representations may need modification if either party is a Multibranch Party.

* Delete as applicable.

Part 3. Agreement to Deliver Documents.

For the purpose of Sections 4(a)(i) and (ii) of this Agreement, each party agrees to deliver the following documents, as applicable: —

(a) Tax forms, documents or certificates to be delivered are: —

Party required to deliver document	Form/Document/Certificate	Date by which to be delivered
.....
.....
.....
.....
.....

(b) Other documents to be delivered are: —

Party required to deliver document	Form/Document/Certificate	Date by which to be delivered	Covered by Section 3(d) Representation
.....	Yes/No*
.....	Yes/No*
.....	Yes/No*
.....	Yes/No*
.....	Yes/No*

Part 4. Miscellaneous.

(a) *Addresses for Notices.* For the purpose of Section 12(a) of this Agreement: —

Address for notices or communications to Party A: —

Address:

Attention:

Telex No.: Answerback:

Facsimile No.: Telephone No:

Electronic Messaging System Details:

Address for notices or communications to Party B: —

Address:

Attention:

Telex No.: Answerback:

* Delete as applicable.

Facsimile No.: Telephone No.:

Electronic Messaging System Details:

- (b) **Process Agent.** For the purpose of Section 13(c) of this Agreement: —

Party A appoints as its Process Agent

Party B appoints as its Process Agent

- (c) **Offices.** The provisions of Section 10(a) will/will not* apply to this Agreement.

- (d) **Multibranch Party.** For the purpose of Section 10(c) of this Agreement: —

Party A is/is not* a Multibranch Party and, if so, may act through the following Offices: —

.....
.....

Party B is/is not* a Multibranch Party and, if so, may act through the following Offices: —

.....
.....

- (e) **Calculation Agent.** The Calculation Agent is, unless otherwise specified in a Confirmation in relation to the relevant Transaction.

- (f) **Credit Support Document.** Details of any Credit Support Document: —

.....
.....
.....

- (g) **Credit Support Provider.** Credit Support Provider means in relation to Party A,

.....
.....

Credit Support Provider means in relation to Party B,

.....
.....

- (h) **Governing Law.** This Agreement will be governed by and construed in accordance with English law/the laws of the State of New York (without reference to choice of law doctrine) *.

* Delete as applicable.

(i) **Netting of Payments.** Subparagraph (ii) of Section 2(c) of this Agreement will not apply to the following Transactions or groups of Transactions (in each case starting from the date of this Agreement/in each case starting from *)

.....

.....

(j) **“Affiliate”** will have the meaning specified in Section 14 of this Agreement unless another meaning is specified here

.....

.....

Part 5. Other Provisions.

* Delete as applicable.



International Swaps and Derivatives Association, Inc.

2002 MASTER AGREEMENT

dated as of [To be specified at execution]

**MORGAN STANLEY & CO.
INTERNATIONAL PLC**

and

[Counterparty Name]

have entered and/or anticipate entering into one or more transactions (each a “Transaction”) that are or will be governed by this 2002 Master Agreement, which includes the schedule (the “Schedule”), and the documents and other confirming evidence (each a “Confirmation”) exchanged between the parties or otherwise effective for the purpose of confirming or evidencing those Transactions. This 2002 Master Agreement and the Schedule are together referred to as this “Master Agreement”.

Accordingly, the parties agree as follows:—

1. Interpretation

- (a) **Definitions.** The terms defined in Section 14 and elsewhere in this Master Agreement will have the meanings therein specified for the purpose of this Master Agreement.
- (b) **Inconsistency.** In the event of any inconsistency between the provisions of the Schedule and the other provisions of this Master Agreement, the Schedule will prevail. In the event of any inconsistency between the provisions of any Confirmation and this Master Agreement, such Confirmation will prevail for the purpose of the relevant Transaction.
- (c) **Single Agreement.** All Transactions are entered into in reliance on the fact that this Master Agreement and all Confirmations form a single agreement between the parties (collectively referred to as this “Agreement”), and the parties would not otherwise enter into any Transactions.

2. Obligations

- (a) **General Conditions.**
 - (i) Each party will make each payment or delivery specified in each Confirmation to be made by it, subject to the other provisions of this Agreement.
 - (ii) Payments under this Agreement will be made on the due date for value on that date in the place of the account specified in the relevant Confirmation or otherwise pursuant to this Agreement, in freely transferable funds and in the manner customary for payments in the required currency. Where settlement is by delivery (that is, other than by payment), such delivery will be made for receipt on the due date in the manner customary for the relevant obligation unless otherwise specified in the relevant Confirmation or elsewhere in this Agreement.

(iii) Each obligation of each party under Section 2(a)(i) is subject to (1) the condition precedent that no Event of Default or Potential Event of Default with respect to the other party has occurred and is continuing, (2) the condition precedent that no Early Termination Date in respect of the relevant Transaction has occurred or been effectively designated and (3) each other condition specified in this Agreement to be a condition precedent for the purpose of this Section 2(a)(iii).

(b) **Change of Account.** Either party may change its account for receiving a payment or delivery by giving notice to the other party at least five Local Business Days prior to the Scheduled Settlement Date for the payment or delivery to which such change applies unless such other party gives timely notice of a reasonable objection to such change.

(c) **Netting of Payments.** If on any date amounts would otherwise be payable:—

- (i) in the same currency; and
- (ii) in respect of the same Transaction,

by each party to the other, then, on such date, each party's obligation to make payment of any such amount will be automatically satisfied and discharged and, if the aggregate amount that would otherwise have been payable by one party exceeds the aggregate amount that would otherwise have been payable by the other party, replaced by an obligation upon the party by which the larger aggregate amount would have been payable to pay to the other party the excess of the larger aggregate amount over the smaller aggregate amount.

The parties may elect in respect of two or more Transactions that a net amount and payment obligation will be determined in respect of all amounts payable on the same date in the same currency in respect of those Transactions, regardless of whether such amounts are payable in respect of the same Transaction. The election may be made in the Schedule or any Confirmation by specifying that "Multiple Transaction Payment Netting" applies to the Transactions identified as being subject to the election (in which case clause (ii) above will not apply to such Transactions). If Multiple Transaction Payment Netting is applicable to Transactions, it will apply to those Transactions with effect from the starting date specified in the Schedule or such Confirmation, or, if a starting date is not specified in the Schedule or such Confirmation, the starting date otherwise agreed by the parties in writing. This election may be made separately for different groups of Transactions and will apply separately to each pairing of Offices through which the parties make and receive payments or deliveries.

(d) **Deduction or Withholding for Tax.**

(i) **Gross-Up.** All payments under this Agreement will be made without any deduction or withholding for or on account of any Tax unless such deduction or withholding is required by any applicable law, as modified by the practice of any relevant governmental revenue authority, then in effect. If a party is so required to deduct or withhold, then that party ("X") will—

- (1) promptly notify the other party ("Y") of such requirement;
- (2) pay to the relevant authorities the full amount required to be deducted or withheld (including the full amount required to be deducted or withheld from any additional amount paid by X to Y under this Section 2(d)) promptly upon the earlier of determining that such deduction or withholding is required or receiving notice that such amount has been assessed against Y;
- (3) promptly forward to Y an official receipt (or a certified copy), or other documentation reasonably acceptable to Y, evidencing such payment to such authorities; and

(4) if such Tax is an Indemnifiable Tax, pay to Y, in addition to the payment to which Y is otherwise entitled under this Agreement, such additional amount as is necessary to ensure that the net amount actually received by Y (free and clear of Indemnifiable Taxes, whether assessed against X or Y) will equal the full amount Y would have received had no such deduction or withholding been required. However, X will not be required to pay any additional amount to Y to the extent that it would not be required to be paid but for:—

(A) the failure by Y to comply with or perform any agreement contained in Section 4(a)(i), 4(a)(iii) or 4(d); or

(B) the failure of a representation made by Y pursuant to Section 3(f) to be accurate and true unless such failure would not have occurred but for (I) any action taken by a taxing authority, or brought in a court of competent jurisdiction, after a Transaction is entered into (regardless of whether such action is taken or brought with respect to a party to this Agreement) or (II) a Change in Tax Law.

(ii) **Liability.** If:—

(1) X is required by any applicable law, as modified by the practice of any relevant governmental revenue authority, to make any deduction or withholding in respect of which X would not be required to pay an additional amount to Y under Section 2(d)(i)(4);

(2) X does not so deduct or withhold; and

(3) a liability resulting from such Tax is assessed directly against X,

then, except to the extent Y has satisfied or then satisfies the liability resulting from such Tax, Y will promptly pay to X the amount of such liability (including any related liability for interest, but including any related liability for penalties only if Y has failed to comply with or perform any agreement contained in Section 4(a)(i), 4(a)(iii) or 4(d)).

3. Representations

Each party makes the representations contained in Sections 3(a), 3(b), 3(c), 3(d), 3(e) and 3(f) and, if specified in the Schedule as applying, 3(g) to the other party (which representations will be deemed to be repeated by each party on each date on which a Transaction is entered into and, in the case of the representations in Section 3(f), at all times until the termination of this Agreement). If any “Additional Representation” is specified in the Schedule or any Confirmation as applying, the party or parties specified for such Additional Representation will make and, if applicable, be deemed to repeat such Additional Representation at the time or times specified for such Additional Representation.

(a) **Basic Representations.**

(i) **Status.** It is duly organised and validly existing under the laws of the jurisdiction of its organization or incorporation and, if relevant under such laws, in good standing;

(ii) **Powers.** It has the power to execute this Agreement and any other documentation relating to this Agreement to which it is a party, to deliver this Agreement and any other documentation relating to this Agreement that it is required by this Agreement to deliver and to perform its obligations under this Agreement and any obligations it has under any Credit Support Document to which it is a party and has taken all necessary action to authorize such execution, delivery and performance;

- (iii) **No Violation or Conflict.** Such execution, delivery and performance do not violate or conflict with any law applicable to it, any provision of its constitutional documents, any order or judgment of any court or other agency of government applicable to it or any of its assets or any contractual restriction binding on or affecting it or any of its assets;
- (iv) **Consents.** All governmental and other consents that are required to have been obtained by it with respect to this Agreement or any Credit Support Document to which it is a party have been obtained and are in full force and effect and all conditions of any such consents have been complied with; and
- (v) **Obligations Binding.** Its obligations under this Agreement and any Credit Support Document to which it is a party constitute its legal, valid and binding obligations, enforceable in accordance with their respective terms (subject to applicable bankruptcy, reorganization, insolvency, moratorium or similar laws affecting creditors' rights generally and subject, as to enforceability, to equitable principles of general application (regardless of whether enforcement is sought in a proceeding in equity or at law)).
- (b) **Absence of Certain Events.** No Event of Default or Potential Event of Default or, to its knowledge, Termination Event with respect to it has occurred and is continuing and no such event or circumstance would occur as a result of its entering into or performing its obligations under this Agreement or any Credit Support Document to which it is a party.
- (c) **Absence of Litigation.** There is not pending or, to its knowledge, threatened against it, any of its Credit Support Providers or any of its applicable Specified Entities any action, suit or proceeding at law or in equity or before any court, tribunal, governmental body, agency or official or any arbitrator that is likely to affect the legality, validity or enforceability against it of this Agreement or any Credit Support Document to which it is a party or its ability to perform its obligations under this Agreement or such Credit Support Document.
- (d) **Accuracy of Specified Information.** All applicable information that is furnished in writing by or on behalf of it to the other party and is identified for the purpose of this Section 3(d) in the Schedule is, as of the date of the information, true, accurate and complete in every material respect.
- (e) **Payer Tax Representation.** Each representation specified in the Schedule as being made by it for the purpose of this Section 3(e) is accurate and true.
- (f) **Payee Tax Representations.** Each representation specified in the Schedule as being made by it for the purpose of this Section 3(f) is accurate and true.
- (g) **No Agency.** It is entering into this Agreement, including each Transaction, as principal and not as agent of any person or entity.

4. Agreements

Each party agrees with the other that, so long as either party has or may have any obligation under this Agreement or under any Credit Support Document to which it is a party:—

- (a) **Furnish Specified Information.** It will deliver to the other party or, in certain cases under clause (iii) below, to such government or taxing authority as the other party reasonably directs:—
 - (i) any forms, documents or certificates relating to taxation specified in the Schedule or any Confirmation;
 - (ii) any other documents specified in the Schedule or any Confirmation; and

(iii) upon reasonable demand by such other party, any form or document that may be required or reasonably requested in writing in order to allow such other party or its Credit Support Provider to make a payment under this Agreement or any applicable Credit Support Document without any deduction or withholding for or on account of any Tax or with such deduction or withholding at a reduced rate (so long as the completion, execution or submission of such form or document would not materially prejudice the legal or commercial position of the party in receipt of such demand), with any such form or document to be accurate and completed in a manner reasonably satisfactory to such other party and to be executed and to be delivered with any reasonably required certification,

in each case by the date specified in the Schedule or such Confirmation or, if none is specified, as soon as reasonably practicable.

(b) **Maintain Authorisations.** It will use all reasonable efforts to maintain in full force and effect all consents of any governmental or other authority that are required to be obtained by it with respect to this Agreement or any Credit Support Document to which it is a party and will use all reasonable efforts to obtain any that may become necessary in the future.

(c) **Comply With Laws.** It will comply in all material respects with all applicable laws and orders to which it may be subject if failure so to comply would materially impair its ability to perform its obligations under this Agreement or any Credit Support Document to which it is a party.

(d) **Tax Agreement.** It will give notice of any failure of a representation made by it under Section 3(f) to be accurate and true promptly upon learning of such failure.

(e) **Payment of Stamp Tax.** Subject to Section 11, it will pay any Stamp Tax levied or imposed upon it or in respect of its execution or performance of this Agreement by a jurisdiction in which it is incorporated, organised, managed and controlled or considered to have its seat, or where an Office through which it is acting for the purpose of this Agreement is located (“Stamp Tax Jurisdiction”), and will indemnify the other party against any Stamp Tax levied or imposed upon the other party or in respect of the other party’s execution or performance of this Agreement by any such Stamp Tax Jurisdiction which is not also a Stamp Tax Jurisdiction with respect to the other party.

5. Events of Default and Termination Events

(a) **Events of Default.** The occurrence at any time with respect to a party or, if applicable, any Credit Support Provider of such party or any Specified Entity of such party of any of the following events constitutes (subject to Sections 5(c) and 6(e)(iv)) an event of default (an “Event of Default”) with respect to such party:—

(i) **Failure to Pay or Deliver.** Failure by the party to make, when due, any payment under this Agreement or delivery under Section 2(a)(i) or 9(h)(i)(2) or (4) required to be made by it if such failure is not remedied on or before the first Local Business Day in the case of any such payment or the first Local Delivery Day in the case of any such delivery after, in each case, notice of such failure is given to the party;

(ii) **Breach of Agreement; Repudiation of Agreement.**

(1) Failure by the party to comply with or perform any agreement or obligation (other than an obligation to make any payment under this Agreement or delivery under Section 2(a)(i) or 9(h)(i)(2) or (4) or to give notice of a Termination Event or any agreement or obligation under Section 4(a)(i), 4(a)(iii) or 4(d)) to be complied with or performed by the party in accordance with this Agreement if such failure is not remedied within 30 days after notice of such failure is given to the party; or

(2) the party disaffirms, disclaims, repudiates or rejects, in whole or in part, or challenges the validity of, this Master Agreement, any Confirmation executed and delivered by that party or any

Transaction evidenced by such a Confirmation (or such action is taken by any person or entity appointed or empowered to operate it or act on its behalf);

(iii) ***Credit Support Default.***

(1) Failure by the party or any Credit Support Provider of such party to comply with or perform any agreement or obligation to be complied with or performed by it in accordance with any Credit Support Document if such failure is continuing after any applicable grace period has elapsed;

(2) the expiration or termination of such Credit Support Document or the failing or ceasing of such Credit Support Document, or any security interest granted by such party or such Credit Support Provider to the other party pursuant to any such Credit Support Document, to be in full force and effect for the purpose of this Agreement (in each case other than in accordance with its terms) prior to the satisfaction of all obligations of such party under each Transaction to which such Credit Support Document relates without the written consent of the other party; or

(3) the party or such Credit Support Provider disaffirms, disclaims, repudiates or rejects, in whole or in part, or challenges the validity of, such Credit Support Document (or such action is taken by any person or entity appointed or empowered to operate it or act on its behalf);

(iv) ***Misrepresentation.*** A representation (other than a representation under Section 3(e) or 3(f)) made or repeated or deemed to have been made or repeated by the party or any Credit Support Provider of such party in this Agreement or any Credit Support Document proves to have been incorrect or misleading in any material respect when made or repeated or deemed to have been made or repeated;

(v) ***Default Under Specified Transaction.*** The party, any Credit Support Provider of such party or any applicable Specified Entity of such party:—

(1) defaults (other than by failing to make a delivery) under a Specified Transaction or any credit support arrangement relating to a Specified Transaction and, after giving effect to any applicable notice requirement or grace period, such default results in a liquidation of, an acceleration of obligations under, or an early termination of, that Specified Transaction;

(2) defaults, after giving effect to any applicable notice requirement or grace period, in making any payment due on the last payment or exchange date of, or any payment on early termination of, a Specified Transaction (or, if there is no applicable notice requirement or grace period, such default continues for at least one Local Business Day);

(3) defaults in making any delivery due under (including any delivery due on the last delivery or exchange date of) a Specified Transaction or any credit support arrangement relating to a Specified Transaction and, after giving effect to any applicable notice requirement or grace period, such default results in a liquidation of, an acceleration of obligations under, or an early termination of, all transactions outstanding under the documentation applicable to that Specified Transaction; or

(4) disaffirms, disclaims, repudiates or rejects, in whole or in part, or challenges the validity of, a Specified Transaction or any credit support arrangement relating to a Specified Transaction that is, in either case, confirmed or evidenced by a document or other confirming evidence executed and delivered by that party, Credit Support Provider or Specified Entity (or such action is taken by any person or entity appointed or empowered to operate it or act on its behalf);

(vi) **Cross-Default.** If “Cross-Default” is specified in the Schedule as applying to the party, the occurrence or existence of:—

(1) a default, event of default or other similar condition or event (however described) in respect of such party, any Credit Support Provider of such party or any applicable Specified Entity of such party under one or more agreements or instruments relating to Specified Indebtedness of any of them (individually or collectively) where the aggregate principal amount of such agreements or instruments, either alone or together with the amount, if any, referred to in clause (2) below, is not less than the applicable Threshold Amount (as specified in the Schedule) which has resulted in such Specified Indebtedness becoming, or becoming capable at such time of being declared, due and payable under such agreements or instruments before it would otherwise have been due and payable; or

(2) a default by such party, such Credit Support Provider or such Specified Entity (individually or collectively) in making one or more payments under such agreements or instruments on the due date for payment (after giving effect to any applicable notice requirement or grace period) in an aggregate amount, either alone or together with the amount, if any, referred to in clause (1) above, of not less than the applicable Threshold Amount;

(vii) **Bankruptcy.** The party, any Credit Support Provider of such party or any applicable Specified Entity of such party:—

(1) is dissolved (other than pursuant to a consolidation, amalgamation or merger); (2) becomes insolvent or is unable to pay its debts or fails or admits in writing its inability generally to pay its debts as they become due; (3) makes a general assignment, arrangement or composition with or for the benefit of its creditors; (4)(A) institutes or has instituted against it, by a regulator, supervisor or any similar official with primary insolvency, rehabilitative or regulatory jurisdiction over it in the jurisdiction of its incorporation or organization or the jurisdiction of its head or home office, a proceeding seeking a judgment of insolvency or bankruptcy or any other relief under any bankruptcy or insolvency law or other similar law affecting creditors’ rights, or a petition is presented for its winding-up or liquidation by it or such regulator, supervisor or similar official, or (B) has instituted against it a proceeding seeking a judgment of insolvency or bankruptcy or any other relief under any bankruptcy or insolvency law or other similar law affecting creditors’ rights, or a petition is presented for its winding-up or liquidation, and such proceeding or petition is instituted or presented by a person or entity not described in clause (A) above and either (I) results in a judgment of insolvency or bankruptcy or the entry of an order for relief or the making of an order for its winding-up or liquidation or (II) is not dismissed, discharged, stayed or restrained in each case within 15 days of the institution or presentation thereof; (5) has a resolution passed for its winding-up, official management or liquidation (other than pursuant to a consolidation, amalgamation or merger); (6) seeks or becomes subject to the appointment of an administrator, provisional liquidator, conservator, receiver, trustee, custodian or other similar official for it or for all or substantially all its assets; (7) has a secured party take possession of all or substantially all its assets or has a distress, execution, attachment, sequestration or other legal process levied, enforced or sued on or against all or substantially all its assets and such secured party maintains possession, or any such process is not dismissed, discharged, stayed or restrained, in each case within 15 days thereafter; (8) causes or is subject to any event with respect to it which, under the applicable laws of any jurisdiction, has an analogous effect to any of the events specified in clauses (1) to (7) above (inclusive); or (9) takes any action in furtherance of, or indicating its consent to, approval of, or acquiescence in, any of the foregoing acts; or

(viii) **Merger Without Assumption.** The party or any Credit Support Provider of such party consolidates or amalgamates with, or merges with or into, or transfers all or substantially all its assets to, or reorganizes, reincorporates or reconstitutes into or as, another entity and, at the time of such consolidation, amalgamation, merger, transfer, reorganization, reincorporation or reconstitution:—

(1) the resulting, surviving or transferee entity fails to assume all the obligations of such party or such Credit Support Provider under this Agreement or any Credit Support Document to which it or its predecessor was a party; or

(2) the benefits of any Credit Support Document fail to extend (without the consent of the other party) to the performance by such resulting, surviving or transferee entity of its obligations under this Agreement.

(b) **Termination Events.** The occurrence at any time with respect to a party or, if applicable, any Credit Support Provider of such party or any Specified Entity of such party of any event specified below constitutes (subject to Section 5(c)) an Illegality if the event is specified in clause (i) below, a Force Majeure Event if the event is specified in clause (ii) below, a Tax Event if the event is specified in clause (iii) below, a Tax Event Upon Merger if the event is specified in clause (iv) below, and, if specified to be applicable, a Credit Event Upon Merger if the event is specified pursuant to clause (v) below or an Additional Termination Event if the event is specified pursuant to clause (vi) below:—

(i) **Illegality.** After giving effect to any applicable provision, disruption fallback or remedy specified in, or pursuant to, the relevant Confirmation or elsewhere in this Agreement, due to an event or circumstance (other than any action taken by a party or, if applicable, any Credit Support Provider of such party) occurring after a Transaction is entered into, it becomes unlawful under any applicable law (including without limitation the laws of any country in which payment, delivery or compliance is required by either party or any Credit Support Provider, as the case may be), on any day, or it would be unlawful if the relevant payment, delivery or compliance were required on that day (in each case, other than as a result of a breach by the party of Section 4(b)):—

(1) for the Office through which such party (which will be the Affected Party) makes and receives payments or deliveries with respect to such Transaction to perform any absolute or contingent obligation to make a payment or delivery in respect of such Transaction, to receive a payment or delivery in respect of such Transaction or to comply with any other material provision of this Agreement relating to such Transaction; or

(2) for such party or any Credit Support Provider of such party (which will be the Affected Party) to perform any absolute or contingent obligation to make a payment or delivery which such party or Credit Support Provider has under any Credit Support Document relating to such Transaction, to receive a payment or delivery under such Credit Support Document or to comply with any other material provision of such Credit Support Document;

(ii) **Force Majeure Event.** After giving effect to any applicable provision, disruption fallback or remedy specified in, or pursuant to, the relevant Confirmation or elsewhere in this Agreement, by reason of force majeure or act of state occurring after a Transaction is entered into, on any day:—

(1) the Office through which such party (which will be the Affected Party) makes and receives payments or deliveries with respect to such Transaction is prevented from performing any absolute or contingent obligation to make a payment or delivery in respect of such Transaction, from receiving a payment or delivery in respect of such Transaction or from complying with any other material provision of this Agreement relating to such Transaction (or would be so prevented if such payment, delivery or compliance were required on that day), or it becomes impossible or

impracticable for such Office so to perform, receive or comply (or it would be impossible or impracticable for such Office so to perform, receive or comply if such payment, delivery or compliance were required on that day); or

(2) such party or any Credit Support Provider of such party (which will be the Affected Party) is prevented from performing any absolute or contingent obligation to make a payment or delivery which such party or Credit Support Provider has under any Credit Support Document relating to such Transaction, from receiving a payment or delivery under such Credit Support Document or from complying with any other material provision of such Credit Support Document (or would be so prevented if such payment, delivery or compliance were required on that day), or it becomes impossible or impracticable for such party or Credit Support Provider so to perform, receive or comply (or it would be impossible or impracticable for such party or Credit Support Provider so to perform, receive or comply if such payment, delivery or compliance were required on that day),

so long as the force majeure or act of state is beyond the control of such Office, such party or such Credit Support Provider, as appropriate, and such Office, party or Credit Support Provider could not, after using all reasonable efforts (which will not require such party or Credit Support Provider to incur a loss, other than immaterial, incidental expenses), overcome such prevention, impossibility or impracticability;

(iii) **Tax Event.** Due to (1) any action taken by a taxing authority, or brought in a court of competent jurisdiction, after a Transaction is entered into (regardless of whether such action is taken or brought with respect to a party to this Agreement) or (2) a Change in Tax Law, the party (which will be the Affected Party) will, or there is a substantial likelihood that it will, on the next succeeding Scheduled Settlement Date (A) be required to pay to the other party an additional amount in respect of an Indemnifiable Tax under Section 2(d)(i)(4) (except in respect of interest under Section 9(h)) or (B) receive a payment from which an amount is required to be deducted or withheld for or on account of a Tax (except in respect of interest under Section 9(h)) and no additional amount is required to be paid in respect of such Tax under Section 2(d)(i)(4) (other than by reason of Section 2(d)(i)(4)(A) or (B));

(iv) **Tax Event Upon Merger.** The party (the “Burdened Party”) on the next succeeding Scheduled Settlement Date will either (1) be required to pay an additional amount in respect of an Indemnifiable Tax under Section 2(d)(i)(4) (except in respect of interest under Section 9(h)) or (2) receive a payment from which an amount has been deducted or withheld for or on account of any Tax in respect of which the other party is not required to pay an additional amount (other than by reason of Section 2(d)(i)(4)(A) or (B)), in either case as a result of a party consolidating or amalgamating with, or merging with or into, or transferring all or substantially all its assets (or any substantial part of the assets comprising the business conducted by it as of the date of this Master Agreement) to, or reorganizing, reincorporating or reconstituting into or as, another entity (which will be the Affected Party) where such action does not constitute a Merger Without Assumption;

(v) **Credit Event Upon Merger.** If “Credit Event Upon Merger” is specified in the Schedule as applying to the party, a Designated Event (as defined below) occurs with respect to such party, any Credit Support Provider of such party or any applicable Specified Entity of such party (in each case, “X”) and such Designated Event does not constitute a Merger Without Assumption, and the creditworthiness of X or, if applicable, the successor, surviving or transferee entity of X, after taking into account any applicable Credit Support Document, is materially weaker immediately after the occurrence of such Designated Event than that of X immediately prior to the occurrence of such Designated Event (and, in any such event, such party or its successor, surviving or transferee entity, as appropriate, will be the Affected Party). A “Designated Event” with respect to X means that:—

(1) X consolidates or amalgamates with, or merges with or into, or transfers all or substantially all its assets (or any substantial part of the assets comprising the business conducted by X as of the

date of this Master Agreement) to, or reorganizes, reincorporates or reconstitutes into or as, another entity;

(2) any person, related group of persons or entity acquires directly or indirectly the beneficial ownership of (A) equity securities having the power to elect a majority of the board of directors (or its equivalent) of X or (B) any other ownership interest enabling it to exercise control of X; or

(3) X effects any substantial change in its capital structure by means of the issuance, incurrence or guarantee of debt or the issuance of (A) preferred stock or other securities convertible into or exchangeable for debt or preferred stock or (B) in the case of entities other than corporations, any other form of ownership interest; or

(vi) **Additional Termination Event.** If any “Additional Termination Event” is specified in the Schedule or any Confirmation as applying, the occurrence of such event (and, in such event, the Affected Party or Affected Parties will be as specified for such Additional Termination Event in the Schedule or such Confirmation).

(c) ***Hierarchy of Events.***

(i) An event or circumstance that constitutes or gives rise to an Illegality or a Force Majeure Event will not, for so long as that is the case, also constitute or give rise to an Event of Default under Section 5(a)(i), 5(a)(ii)(1) or 5(a)(iii)(1) insofar as such event or circumstance relates to the failure to make any payment or delivery or a failure to comply with any other material provision of this Agreement or a Credit Support Document, as the case may be.

(ii) Except in circumstances contemplated by clause (i) above, if an event or circumstance which would otherwise constitute or give rise to an Illegality or a Force Majeure Event also constitutes an Event of Default or any other Termination Event, it will be treated as an Event of Default or such other Termination Event, as the case may be, and will not constitute or give rise to an Illegality or a Force Majeure Event.

(iii) If an event or circumstance which would otherwise constitute or give rise to a Force Majeure Event also constitutes an Illegality, it will be treated as an Illegality, except as described in clause (ii) above, and not a Force Majeure Event.

(d) ***Deferral of Payments and Deliveries During Waiting Period.*** If an Illegality or a Force Majeure Event has occurred and is continuing with respect to a Transaction, each payment or delivery which would otherwise be required to be made under that Transaction will be deferred to, and will not be due until:—

(i) the first Local Business Day or, in the case of a delivery, the first Local Delivery Day (or the first day that would have been a Local Business Day or Local Delivery Day, as appropriate, but for the occurrence of the event or circumstance constituting or giving rise to that Illegality or Force Majeure Event) following the end of any applicable Waiting Period in respect of that Illegality or Force Majeure Event, as the case may be; or

(ii) if earlier, the date on which the event or circumstance constituting or giving rise to that Illegality or Force Majeure Event ceases to exist or, if such date is not a Local Business Day or, in the case of a delivery, a Local Delivery Day, the first following day that is a Local Business Day or Local Delivery Day, as appropriate.

(e) ***Inability of Head or Home Office to Perform Obligations of Branch.*** If (i) an Illegality or a Force Majeure Event occurs under Section 5(b)(i)(1) or 5(b)(ii)(1) and the relevant Office is not the Affected Party’s head or home office, (ii) Section 10(a) applies, (iii) the other party seeks performance of the relevant obligation or

compliance with the relevant provision by the Affected Party's head or home office and (iv) the Affected Party's head or home office fails so to perform or comply due to the occurrence of an event or circumstance which would, if that head or home office were the Office through which the Affected Party makes and receives payments and deliveries with respect to the relevant Transaction, constitute or give rise to an Illegality or a Force Majeure Event, and such failure would otherwise constitute an Event of Default under Section 5(a)(i) or 5(a)(iii)(1) with respect to such party, then, for so long as the relevant event or circumstance continues to exist with respect to both the Office referred to in Section 5(b)(i)(1) or 5(b)(ii)(1), as the case may be, and the Affected Party's head or home office, such failure will not constitute an Event of Default under Section 5(a)(i) or 5(a)(iii)(1).

6. Early Termination; Close-Out Netting

(a) ***Right to Terminate Following Event of Default.*** If at any time an Event of Default with respect to a party (the "Defaulting Party") has occurred and is then continuing, the other party (the "Non-defaulting Party") may, by not more than 20 days notice to the Defaulting Party specifying the relevant Event of Default, designate a day not earlier than the day such notice is effective as an Early Termination Date in respect of all outstanding Transactions. If, however, "Automatic Early Termination" is specified in the Schedule as applying to a party, then an Early Termination Date in respect of all outstanding Transactions will occur immediately upon the occurrence with respect to such party of an Event of Default specified in Section 5(a)(vii)(1), (3), (5), (6) or, to the extent analogous thereto, (8), and as of the time immediately preceding the institution of the relevant proceeding or the presentation of the relevant petition upon the occurrence with respect to such party of an Event of Default specified in Section 5(a)(vii)(4) or, to the extent analogous thereto, (8).

(b) ***Right to Terminate Following Termination Event.***

(i) ***Notice.*** If a Termination Event other than a Force Majeure Event occurs, an Affected Party will, promptly upon becoming aware of it, notify the other party, specifying the nature of that Termination Event and each Affected Transaction, and will also give the other party such other information about that Termination Event as the other party may reasonably require. If a Force Majeure Event occurs, each party will, promptly upon becoming aware of it, use all reasonable efforts to notify the other party, specifying the nature of that Force Majeure Event, and will also give the other party such other information about that Force Majeure Event as the other party may reasonably require.

(ii) ***Transfer to Avoid Termination Event.*** If a Tax Event occurs and there is only one Affected Party, or if a Tax Event Upon Merger occurs and the Burdened Party is the Affected Party, the Affected Party will, as a condition to its right to designate an Early Termination Date under Section 6(b)(iv), use all reasonable efforts (which will not require such party to incur a loss, other than immaterial, incidental expenses) to transfer within 20 days after it gives notice under Section 6(b)(i) all its rights and obligations under this Agreement in respect of the Affected Transactions to another of its Offices or Affiliates so that such Termination Event ceases to exist.

If the Affected Party is not able to make such a transfer it will give notice to the other party to that effect within such 20 day period, whereupon the other party may effect such a transfer within 30 days after the notice is given under Section 6(b)(i).

Any such transfer by a party under this Section 6(b)(ii) will be subject to and conditional upon the prior written consent of the other party, which consent will not be withheld if such other party's policies in effect at such time would permit it to enter into transactions with the transferee on the terms proposed.

(iii) ***Two Affected Parties.*** If a Tax Event occurs and there are two Affected Parties, each party will use all reasonable efforts to reach agreement within 30 days after notice of such occurrence is given under Section 6(b)(i) to avoid that Termination Event.

(iv) ***Right to Terminate.***

(1) If:—

(A) a transfer under Section 6(b)(ii) or an agreement under Section 6(b)(iii), as the case may be, has not been effected with respect to all Affected Transactions within 30 days after an Affected Party gives notice under Section 6(b)(i); or

(B) a Credit Event Upon Merger or an Additional Termination Event occurs, or a Tax Event Upon Merger occurs and the Burdened Party is not the Affected Party,

the Burdened Party in the case of a Tax Event Upon Merger, any Affected Party in the case of a Tax Event or an Additional Termination Event if there are two Affected Parties, or the Non-affected Party in the case of a Credit Event Upon Merger or an Additional Termination Event if there is only one Affected Party may, if the relevant Termination Event is then continuing, by not more than 20 days notice to the other party, designate a day not earlier than the day such notice is effective as an Early Termination Date in respect of all Affected Transactions.

(2) If at any time an Illegality or a Force Majeure Event has occurred and is then continuing and any applicable Waiting Period has expired:—

(A) Subject to clause (B) below, either party may, by not more than 20 days notice to the other party, designate (I) a day not earlier than the day on which such notice becomes effective as an Early Termination Date in respect of all Affected Transactions or (II) by specifying in that notice the Affected Transactions in respect of which it is designating the relevant day as an Early Termination Date, a day not earlier than two Local Business Days following the day on which such notice becomes effective as an Early Termination Date in respect of less than all Affected Transactions. Upon receipt of a notice designating an Early Termination Date in respect of less than all Affected Transactions, the other party may, by notice to the designating party, if such notice is effective on or before the day so designated, designate that same day as an Early Termination Date in respect of any or all other Affected Transactions.

(B) An Affected Party (if the Illegality or Force Majeure Event relates to performance by such party or any Credit Support Provider of such party of an obligation to make any payment or delivery under, or to compliance with any other material provision of, the relevant Credit Support Document) will only have the right to designate an Early Termination Date under Section 6(b)(iv)(2)(A) as a result of an Illegality under Section 5(b)(i)(2) or a Force Majeure Event under Section 5(b)(ii)(2) following the prior designation by the other party of an Early Termination Date, pursuant to Section 6(b)(iv)(2)(A), in respect of less than all Affected Transactions.

(c) ***Effect of Designation.***

(i) If notice designating an Early Termination Date is given under Section 6(a) or 6(b), the Early Termination Date will occur on the date so designated, whether or not the relevant Event of Default or Termination Event is then continuing.

(ii) Upon the occurrence or effective designation of an Early Termination Date, no further payments or deliveries under Section 2(a)(i) or 9(h)(i) in respect of the Terminated Transactions will be required to be made, but without prejudice to the other provisions of this Agreement. The amount, if any, payable in respect of an Early Termination Date will be determined pursuant to Sections 6(e) and 9(h)(ii).

(d) ***Calculations; Payment Date.***

(i) ***Statement.*** On or as soon as reasonably practicable following the occurrence of an Early Termination Date, each party will make the calculations on its part, if any, contemplated by Section 6(e) and will provide to the other party a statement (1) showing, in reasonable detail, such calculations (including any quotations, market data or information from internal sources used in making such calculations), (2) specifying (except where there are two Affected Parties) any Early Termination Amount payable and (3) giving details of the relevant account to which any amount payable to it is to be paid. In the absence of written confirmation from the source of a quotation or market data obtained in determining a Close-out Amount, the records of the party obtaining such quotation or market data will be conclusive evidence of the existence and accuracy of such quotation or market data.

(ii) ***Payment Date.*** An Early Termination Amount due in respect of any Early Termination Date will, together with any amount of interest payable pursuant to Section 9(h)(ii)(2), be payable (1) on the day on which notice of the amount payable is effective in the case of an Early Termination Date which is designated or occurs as a result of an Event of Default and (2) on the day which is two Local Business Days after the day on which notice of the amount payable is effective (or, if there are two Affected Parties, after the day on which the statement provided pursuant to clause (i) above by the second party to provide such a statement is effective) in the case of an Early Termination Date which is designated as a result of a Termination Event.

(e) ***Payments on Early Termination.*** If an Early Termination Date occurs, the amount, if any, payable in respect of that Early Termination Date (the “Early Termination Amount”) will be determined pursuant to this Section 6(e) and will be subject to Section 6(f).

(i) ***Events of Default.*** If the Early Termination Date results from an Event of Default, the Early Termination Amount will be an amount equal to (1) the sum of (A) the Termination Currency Equivalent of the Close-out Amount or Close-out Amounts (whether positive or negative) determined by the Non-defaulting Party for each Terminated Transaction or group of Terminated Transactions, as the case may be, and (B) the Termination Currency Equivalent of the Unpaid Amounts owing to the Non-defaulting Party less (2) the Termination Currency Equivalent of the Unpaid Amounts owing to the Defaulting Party. If the Early Termination Amount is a positive number, the Defaulting Party will pay it to the Non-defaulting Party; if it is a negative number, the Non-defaulting Party will pay the absolute value of Early Termination Amount to the Defaulting Party.

(ii) ***Termination Events.*** If the Early Termination Date results from a Termination Event:—

(1) ***One Affected Party.*** Subject to clause (3) below, if there is one Affected Party, the Early Termination Amount will be determined in accordance with Section 6(e)(i), except that references to the Defaulting Party and to the Non-defaulting Party will be deemed to be references to the Affected Party and to the Non-affected Party, respectively.

(2) ***Two Affected Parties.*** Subject to clause (3) below, if there are two Affected Parties, each party will determine an amount equal to the Termination Currency Equivalent of the sum of the Close-out Amount or Close-out Amounts (whether positive or negative) for each Terminated Transaction or group of Terminated Transactions, as the case may be, and the Early Termination Amount will be an amount equal to (A) the sum of (I) one-half of the difference between the higher amount so determined (by party “X”) and lower amount so determined (by party “Y”) and (II) the Termination Currency Equivalent of the Unpaid Amounts owing to X less (B) the Termination Currency Equivalent of the Unpaid Amounts owing to Y. If the Early Termination Amount is a positive number, Y will pay it to X; if it is a negative number, X will pay the absolute value of the Early Termination Amount to Y.

(3) *Mid-Market Events.* If that Termination Event is an Illegality or a Force Majeure Event, then the Early Termination Amount will be determined in accordance with clause (1) or (2) above, as appropriate, except that, for the purpose of determining a Close-out Amount or Close-out Amounts, the Determining Party will:—

(A) if obtaining quotations from one or more third parties (or from any of the Determining Party's Affiliates), ask each third party or Affiliate (I) not to take account of the current creditworthiness of the Determining Party or any existing Credit Support Document and (II) to provide mid-market quotations; and

(B) in any other case, use mid-market values without regard to the creditworthiness of the Determining Party.

(iii) *Adjustment for Bankruptcy.* In circumstances where an Early Termination Date occurs because Automatic Early Termination applies in respect of a party, Early Termination Amount will be subject to such adjustments as are appropriate and permitted by applicable law to reflect any payments or deliveries made by one party to the other under this Agreement (and retained by such other party) during the period from the relevant Early Termination Date to the date for payment determined under Section 6(d)(ii).

(iv) *Adjustment for Illegality or Force Majeure Event.* The failure by a party or any Credit Support Provider of such party to pay, when due, any Early Termination Amount will not constitute an Event of Default under Section 5(a)(i) or 5(a)(iii)(1) if such failure is due to the occurrence of an event or circumstance which would, if it occurred with respect to payment, delivery or compliance related to a Transaction, constitute or give rise to an Illegality or a Force Majeure Event. Such amount will (1) accrue interest and otherwise be treated as an Unpaid Amount owing to the other party if subsequently an Early Termination Date results from an Event of Default, a Credit Event Upon Merger or an Additional Termination Event in respect of which all outstanding Transactions are Affected Transactions and (2) otherwise accrue interest in accordance with Section 9(h)(ii)(2).

(v) *Pre-Estimate.* The parties agree that an amount recoverable under this Section 6(e) is a reasonable pre-estimate of loss and not a penalty. Such amount is payable for the loss of bargain and the loss of protection against future risks, and, except as otherwise provided in this Agreement, neither party will be entitled to recover any additional damages as a consequence of the termination of the Terminated Transactions.

(f) *Set-Off.* Any Early Termination Amount payable to one party (the "Payee") by the other party (the "Payer"), in circumstances where there is a Defaulting Party or where there is one Affected Party in the case where either a Credit Event Upon Merger has occurred or any other Termination Event in respect of which all outstanding Transactions are Affected Transactions has occurred, will, at the option of the Non-defaulting Party or the Non-affected Party, as the case may be ("X") (and without prior notice to the Defaulting Party or the Affected Party, as the case may be), be reduced by its set-off against any other amounts ("Other Amounts") payable by the Payee to the Payer (whether or not arising under this Agreement, matured or contingent and irrespective of the currency, place of payment or place of booking of the obligation). To the extent that any Other Amounts are so set off, those Other Amounts will be discharged promptly and in all respects. X will give notice to the other party of any set-off effected under this Section 6(f).

For this purpose, either the Early Termination Amount or the Other Amounts (or the relevant portion of such amounts) may be converted by X into the currency in which the other is denominated at the rate of exchange at which such party would be able, in good faith and using commercially reasonable procedures, to purchase the relevant amount of such currency.

If an obligation is unascertained, X may in good faith estimate that obligation and set off in respect of the estimate, subject to the relevant party accounting to the other when the obligation is ascertained.

Nothing in this Section 6(f) will be effective to create a charge or other security interest. This Section 6(f) will be without prejudice and in addition to any right of set-off, offset, combination of accounts, lien, right of retention or withholding or similar right or requirement to which any party is at any time otherwise entitled or subject (whether by operation of law, contract or otherwise).

7. Transfer

Subject to Section 6(b)(ii) and to the extent permitted by applicable law, neither this Agreement nor any interest or obligation in or under this Agreement may be transferred (whether by way of security or otherwise) by either party without the prior written consent of the other party, except that:—

(a) a party may make such a transfer of this Agreement pursuant to a consolidation or amalgamation with, or merger with or into, or transfer of all or substantially all its assets to, another entity (but without prejudice to any other right or remedy under this Agreement); and

(b) a party may make such a transfer of all or any part of its interest in any Early Termination Amount payable to it by a Defaulting Party, together with any amounts payable on or with respect to that interest and any other rights associated with that interest pursuant to Sections 8, 9(h) and 11.

Any purported transfer that is not in compliance with this Section 7 will be void.

8. Contractual Currency

(a) ***Payment in the Contractual Currency.*** Each payment under this Agreement will be made in the relevant currency specified in this Agreement for that payment (the “Contractual Currency”). To the extent permitted by applicable law, any obligation to make payments under this Agreement in the Contractual Currency will not be discharged or satisfied by any tender in any currency other than the Contractual Currency, except to the extent such tender results in the actual receipt by the party to which payment is owed, acting in good faith and using commercially reasonable procedures in converting the currency so tendered into the Contractual Currency, of the full amount in the Contractual Currency of all amounts payable in respect of this Agreement. If for any reason the amount in the Contractual Currency so received falls short of the amount in the Contractual Currency payable in respect of this Agreement, the party required to make the payment will, to the extent permitted by applicable law, immediately pay such additional amount in the Contractual Currency as may be necessary to compensate for the shortfall. If for any reason the amount in the Contractual Currency so received exceeds the amount in the Contractual Currency payable in respect of this Agreement, the party receiving the payment will refund promptly the amount of such excess.

(b) ***Judgments.*** To the extent permitted by applicable law, if any judgment or order expressed in a currency other than the Contractual Currency is rendered (i) for the payment of any amount owing in respect of this Agreement, (ii) for the payment of any amount relating to any early termination in respect of this Agreement or (iii) in respect of a judgment or order of another court for the payment of any amount described in clause (i) or (ii) above, the party seeking recovery, after recovery in full of the aggregate amount to which such party is entitled pursuant to the judgment or order, will be entitled to receive immediately from the other party the amount of any shortfall of the Contractual Currency received by such party as a consequence of sums paid in such other currency and will refund promptly to the other party any excess of the Contractual Currency received by such party as a consequence of sums paid in such other currency if such shortfall or such excess arises or results from any variation between the rate of exchange at which the Contractual Currency is converted into the currency of the judgment or order for the purpose of such judgment or order and the rate of exchange at which such party is able, acting in good faith and using

commercially reasonable procedures in converting the currency received into the Contractual Currency, to purchase the Contractual Currency with the amount of the currency of the judgment or order actually received by such party.

(c) **Separate Indemnities.** To the extent permitted by applicable law, the indemnities in this Section 8 constitute separate and independent obligations from the other obligations in this Agreement, will be enforceable as separate and independent causes of action, will apply notwithstanding any indulgence granted by the party to which any payment is owed and will not be affected by judgment being obtained or claim or proof being made for any other sums payable in respect of this Agreement.

(d) **Evidence of Loss.** For the purpose of this Section 8, it will be sufficient for a party to demonstrate that it would have suffered a loss had an actual exchange or purchase been made.

9. Miscellaneous

(a) **Entire Agreement.** This Agreement constitutes the entire agreement and understanding of the parties with respect to its subject matter. Each of the parties acknowledges that in entering into this Agreement it has not relied on any oral or written representation, warranty or other assurance (except as provided for or referred to in this Agreement) and waives all rights and remedies which might otherwise be available to it in respect thereof, except that nothing in this Agreement will limit or exclude any liability of a party for fraud.

(b) **Amendments.** An amendment, modification or waiver in respect of this Agreement will only be effective if in writing (including a writing evidenced by a facsimile transmission) and executed by each of the parties or confirmed by an exchange of telexes or by an exchange of electronic messages on an electronic messaging system.

(c) **Survival of Obligations.** Without prejudice to Sections 2(a)(iii) and 6(c)(ii), the obligations of the parties under this Agreement will survive the termination of any Transaction.

(d) **Remedies Cumulative.** Except as provided in this Agreement, the rights, powers, remedies and privileges provided in this Agreement are cumulative and not exclusive of any rights, powers, remedies and privileges provided by law.

(e) **Counterparts and Confirmations.**

(i) This Agreement (and each amendment, modification and waiver in respect of it) may be executed and delivered in counterparts (including by facsimile transmission and by electronic messaging system), each of which will be deemed an original.

(ii) The parties intend that they are legally bound by the terms of each Transaction from the moment they agree to those terms (whether orally or otherwise). A Confirmation will be entered into as soon as practicable and may be executed and delivered in counterparts (including by facsimile transmission) or be created by an exchange of telexes, by an exchange of electronic messages on an electronic messaging system or by an exchange of e-mails, which in each case will be sufficient for all purposes to evidence a binding supplement to this Agreement. The parties will specify therein or through another effective means that any such counterpart, telex, electronic message or e-mail constitutes a Confirmation.

(f) **No Waiver of Rights.** A failure or delay in exercising any right, power or privilege in respect of this Agreement will not be presumed to operate as a waiver, and a single or partial exercise of any right, power or privilege will not be presumed to preclude any subsequent or further exercise, of that right, power or privilege or the exercise of any other right, power or privilege

(g) **Headings.** The headings used in this Agreement are for convenience of reference only and are not to affect the construction of or to be taken into consideration in interpreting this Agreement.

(h) ***Interest and Compensation.***

(i) ***Prior to Early Termination.*** Prior to the occurrence or effective designation of an Early Termination Date in respect of the relevant Transaction:—

(1) ***Interest on Defaulted Payments.*** If a party defaults in the performance of any payment obligation, it will, to the extent permitted by applicable law and subject to Section 6(c), pay interest (before as well as after judgment) on the overdue amount to the other party on demand in the same currency as the overdue amount, for the period from (and including) the original due date for payment to (but excluding) the date of actual payment (and excluding any period in respect of which interest or compensation in respect of the overdue amount is due pursuant to clause (3)(B) or (C) below), at the Default Rate.

(2) ***Compensation for Defaulted Deliveries.*** If a party defaults in the performance of any obligation required to be settled by delivery, it will on demand (A) compensate the other party to the extent provided for in the relevant Confirmation or elsewhere in this Agreement and (B) unless otherwise provided in the relevant Confirmation or elsewhere in this Agreement, to the extent permitted by applicable law and subject to Section 6(c), pay to the other party interest (before as well as after judgment) on an amount equal to the fair market value of that which was required to be delivered in the same currency as that amount, for the period from (and including) the originally scheduled date for delivery to (but excluding) the date of actual delivery (and excluding any period in respect of which interest or compensation in respect of that amount is due pursuant to clause (4) below), at the Default Rate. The fair market value of any obligation referred to above will be determined as of the originally scheduled date for delivery, in good faith and using commercially reasonable procedures, by the party that was entitled to take delivery.

(3) ***Interest on Deferred Payments.*** If:—

(A) a party does not pay any amount that, but for Section 2(a)(iii), would have been payable, it will, to the extent permitted by applicable law and subject to Section 6(c) and clauses (B) and (C) below, pay interest (before as well as after judgment) on that amount to the other party on demand (after such amount becomes payable) in the same currency as that amount, for the period from (and including) the date the amount would, but for Section 2(a)(iii), have been payable to (but excluding) the date the amount actually becomes payable, at the Applicable Deferral Rate;

(B) a payment is deferred pursuant to Section 5(d), the party which would otherwise have been required to make that payment will, to the extent permitted by applicable law, subject to Section 6(c) and for so long as no Event of Default or Potential Event of Default with respect to that party has occurred and is continuing, pay interest (before as well as after judgment) on the amount of the deferred payment to the other party on demand (after such amount becomes payable) in the same currency as the deferred payment, for the period from (and including) the date the amount would, but for Section 5(d), have been payable to (but excluding) the earlier of the date the payment is no longer deferred pursuant to Section 5(d) and the date during the deferral period upon which an Event of Default or Potential Event of Default with respect to that party occurs, at the Applicable Deferral Rate; or

(C) a party fails to make any payment due to the occurrence of an Illegality or a Force Majeure Event (after giving effect to any deferral period contemplated by clause (B) above), it will, to the extent permitted by applicable law, subject to Section 6(c) and for so long as the event or circumstance giving rise to that Illegality or Force Majeure Event

continues and no Event of Default or Potential Event of Default with respect to that party has occurred and is continuing, pay interest (before as well as after judgment) on the overdue amount to the other party on demand in the same currency as the overdue amount, for the period from (and including) the date the party fails to make the payment due to the occurrence of the relevant Illegality or Force Majeure Event (or, if later, the date the payment is no longer deferred pursuant to Section 5(d)) to (but excluding) the earlier of the date the event or circumstance giving rise to that Illegality or Force Majeure Event ceases to exist and the date during the period upon which an Event of Default or Potential Event of Default with respect to that party occurs (and excluding any period in respect of which interest or compensation in respect of the overdue amount is due pursuant to clause (B) above), at the Applicable Deferral Rate.

(4) *Compensation for Deferred Deliveries.* If:—

(A) a party does not perform any obligation that, but for Section 2(a)(iii), would have been required to be settled by delivery;

(B) a delivery is deferred pursuant to Section 5(d); or

(C) a party fails to make a delivery due to the occurrence of an Illegality or a Force Majeure Event at a time when any applicable Waiting Period has expired,

the party required (or that would otherwise have been required) to make the delivery will, to the extent permitted by applicable law and subject to Section 6(c), compensate and pay interest to the other party on demand (after, in the case of clauses (A) and (B) above, such delivery is required) if and to the extent provided for in the relevant Confirmation or elsewhere in this Agreement.

(ii) *Early Termination.* Upon the occurrence or effective designation of an Early Termination Date in respect of a Transaction:—

(1) *Unpaid Amounts.* For the purpose of determining an Unpaid Amount in respect of the relevant Transaction, and to the extent permitted by applicable law, interest will accrue on the amount of any payment obligation or the amount equal to the fair market value of any obligation required to be settled by delivery included in such determination in the same currency as that amount, for the period from (and including) the date the relevant obligation was (or would have been but for Section 2(a)(iii) or 5(d)) required to have been performed to (but excluding) the relevant Early Termination Date, at the Applicable Close-out Rate.

(2) *Interest on Early Termination Amounts.* If an Early Termination Amount is due in respect of such Early Termination Date, that amount will, to the extent permitted by applicable law, be paid together with interest (before as well as after judgment) on that amount in the Termination Currency, for the period from (and including) such Early Termination Date to (but excluding) the date the amount is paid, at the Applicable Close-out Rate.

(iii) *Interest Calculation.* Any interest pursuant to this Section 9(h) will be calculated on the basis of daily compounding and the actual number of days elapsed.

10. Offices; Multibranch Parties

(a) If Section 10(a) is specified in the Schedule as applying, each party that enters into a Transaction through an Office other than its head or home office represents to and agrees with the other party that, notwithstanding the place of booking or its jurisdiction of incorporation or organization, its obligations are the same in terms of recourse against it as if it had entered into the Transaction through its head or home office, except that a party will not have recourse to the head or home office of the other party in respect of any payment or delivery deferred pursuant to Section 5(d) for so long as the payment or delivery is so deferred. This representation and agreement will be deemed to be repeated by each party on each date on which the parties enter into a Transaction.

(b) If a party is specified as a Multibranch Party in the Schedule, such party may, subject to clause (c) below, enter into a Transaction through, book a Transaction in and make and receive payments and deliveries with respect to a Transaction through any Office listed in respect of that party in the Schedule (but not any other Office unless otherwise agreed by the parties in writing).

(c) The Office through which a party enters into a Transaction will be the Office specified for that party in the relevant Confirmation or as otherwise agreed by the parties in writing, and, if an Office for that party is not specified in the Confirmation or otherwise agreed by the parties in writing, its head or home office. Unless the parties otherwise agree in writing, the Office through which a party enters into a Transaction will also be the Office in which it books the Transaction and the Office through which it makes and receives payments and deliveries with respect to the Transaction. Subject to Section 6(b)(ii), neither party may change the Office in which it books the Transaction or the Office through which it makes and receives payments or deliveries with respect to a Transaction without the prior written consent of the other party.

11. Expenses

A Defaulting Party will on demand indemnify and hold harmless the other party for and against all reasonable out-of-pocket expenses, including legal fees, execution fees and Stamp Tax, incurred by such other party by reason of the enforcement and protection of its rights under this Agreement or any Credit Support Document to which the Defaulting Party is a party or by reason of the early termination of any Transaction, including, but not limited to, costs of collection.

12. Notices

(a) **Effectiveness.** Any notice or other communication in respect of this Agreement may be given in any manner described below (except that a notice or other communication under Section 5 or 6 may not be given by electronic messaging system or e-mail) to the address or number or in accordance with the electronic messaging system or e-mail details provided (see the Schedule) and will be deemed effective as indicated:—

(i) if in writing and delivered in person or by courier, on the date it is delivered;

(ii) if sent by telex, on the date the recipient's answerback is received;

(iii) if sent by facsimile transmission, on the date it is received by a responsible employee of the recipient in legible form (it being agreed that the burden of proving receipt will be on the sender and will not be met by a transmission report generated by the sender's facsimile machine);

(iv) if sent by certified or registered mail (airmail, if overseas) or the equivalent (return receipt requested), on the date it is delivered or its delivery is attempted;

(v) if sent by electronic messaging system, on the date it is received; or

- (vi) if sent by e-mail, on the date it is delivered,

unless the date of that delivery (or attempted delivery) or that receipt, as applicable, is not a Local Business Day or that communication is delivered (or attempted) or received, as applicable, after the close of business on a Local Business Day, in which case that communication will be deemed given and effective on the first following day that is a Local Business Day.

- (b) **Change of Details.** Either party may by notice to the other change the address, telex or facsimile number or electronic messaging system or e-mail details at which notices or other communications are to be given to it.

13. Governing Law and Jurisdiction

- (a) **Governing Law.** This Agreement will be governed by and construed in accordance with the law specified in the Schedule.

- (b) **Jurisdiction.** With respect to any suit, action or proceedings relating to any dispute arising out of or in connection with this Agreement (“Proceedings”), each party irrevocably:—

- (i) submits:—

(1) if this Agreement is expressed to be governed by English law, to (A) the non-exclusive jurisdiction of the English courts if the Proceedings do not involve a Convention Court and (B) the exclusive jurisdiction of the English courts if the Proceedings do involve a Convention Court; or

(2) if this Agreement is expressed to be governed by the laws of the State of New York, to the non-exclusive jurisdiction of the courts of the State of New York and the United States District Court located in the Borough of Manhattan in New York City;

- (ii) waives any objection which it may have at any time to the laying of venue of any Proceedings brought in any such court, waives any claim that such Proceedings have been brought in an inconvenient forum and further waives the right to object, with respect to such Proceedings, that such court does not have any jurisdiction over such party; and

- (iii) agrees, to the extent permitted by applicable law, that the bringing of Proceedings in any one or more jurisdictions will not preclude the bringing of Proceedings in any other jurisdiction.

- (c) **Service of Process.** Each party irrevocably appoints the Process Agent, if any, specified opposite its name in the Schedule to receive, for it and on its behalf, service of process in any Proceedings. If for any reason any party’s Process Agent is unable to act as such, such party will promptly notify the other party and within 30 days appoint a substitute process agent acceptable to the other party. The parties irrevocably consent to service of process given in the manner provided for notices in Section 12(a)(i), 12(a)(iii) or 12(a)(iv). Nothing in this Agreement will affect the right of either party to serve process in any other manner permitted by applicable law.

- (d) **Waiver of Immunities.** Each party irrevocably waives, to the extent permitted by applicable law, with respect to itself and its revenues and assets (irrespective of their use or intended use), all immunity on the grounds of sovereignty or other similar grounds from (i) suit, (ii) jurisdiction of any court, (iii) relief by way of injunction or order for specific performance or recovery of property, (iv) attachment of its assets (whether before or after judgment) and (v) execution or enforcement of any judgment to which it or its revenues or assets might otherwise be entitled in any Proceedings in the courts of any jurisdiction and irrevocably agrees, to the extent permitted by applicable law, that it will not claim any such immunity in any Proceedings.

14. Definitions

As used in this Agreement:—

“Additional Representation” has the meaning specified in Section 3.

“Additional Termination Event” has the meaning specified in Section 5(b).

“Affected Party” has the meaning specified in Section 5(b).

“Affected Transactions” means (a) with respect to any Termination Event consisting of an Illegality, Force Majeure Event, Tax Event or Tax Event Upon Merger, all Transactions affected by the occurrence of such Termination Event (which, in the case of an Illegality under Section 5(b)(i)(2) or a Force Majeure Event under Section 5(b)(ii)(2), means all Transactions unless the relevant Credit Support Document references only certain Transactions, in which case those Transactions and, if the relevant Credit Support Document constitutes a Confirmation for a Transaction, that Transaction) and (b) with respect to any other Termination Event, all Transactions.

“Affiliate” means, subject to the Schedule, in relation to any person, any entity controlled, directly or indirectly, by the person, any entity that controls, directly or indirectly, the person or any entity directly or indirectly under common control with the person. For this purpose, “control” of any entity or person means ownership of a majority of the voting power of the entity or person.

“Agreement” has the meaning specified in Section 1(c).

“Applicable Close-out Rate” means:—

(a) in respect of the determination of an Unpaid Amount:—

(i) in respect of obligations payable or deliverable (or which would have been but for Section 2(a)(iii)) by a Defaulting Party, the Default Rate;

(ii) in respect of obligations payable or deliverable (or which would have been but for Section 2(a)(iii)) by a Non-defaulting Party, the Non-default Rate;

(iii) in respect of obligations deferred pursuant to Section 5(d), if there is no Defaulting Party and for so long as the deferral period continues, the Applicable Deferral Rate; and

(iv) in all other cases following the occurrence of a Termination Event (except where interest accrues pursuant to clause (iii) above), the Applicable Deferral Rate; and

(b) in respect of an Early Termination Amount:—

(i) for the period from (and including) the relevant Early Termination Date to (but excluding) the date (determined in accordance with Section 6(d)(ii)) on which that amount is payable:—

(1) if the Early Termination Amount is payable by a Defaulting Party, the Default Rate;

(2) if the Early Termination Amount is payable by a Non-defaulting Party, the Non-default Rate;
and

(3) in all other cases, the Applicable Deferral Rate; and

(ii) for the period from (and including) the date (determined in accordance with Section 6(d)(ii)) on which that amount is payable to (but excluding) the date of actual payment:—

(1) if a party fails to pay the Early Termination Amount due to the occurrence of an event or circumstance which would, if it occurred with respect to a payment or delivery under a Transaction, constitute or give rise to an Illegality or a Force Majeure Event, and for so long as the Early Termination Amount remains unpaid due to the continuing existence of such event or circumstance, the Applicable Deferral Rate;

(2) if the Early Termination Amount is payable by a Defaulting Party (but excluding any period in respect of which clause (1) above applies), the Default Rate;

(3) if the Early Termination Amount is payable by a Non-defaulting Party (but excluding any period in respect of which clause (1) above applies), the Non-default Rate; and

(4) in all other cases, the Termination Rate.

“Applicable Deferral Rate” means:—

(a) for the purpose of Section 9(h)(i)(3)(A), the rate certified by the relevant payer to be a rate offered to the payer by a major bank in a relevant interbank market for overnight deposits in the applicable currency, such bank to be selected in good faith by the payer for the purpose of obtaining a representative rate that will reasonably reflect conditions prevailing at the time in that relevant market;

(b) for purposes of Section 9(h)(i)(3)(B) and clause (a)(iii) of the definition of Applicable Close-out Rate, the rate certified by the relevant payer to be a rate offered to prime banks by a major bank in a relevant interbank market for overnight deposits in the applicable currency, such bank to be selected in good faith by the payer after consultation with the other party, if practicable, for the purpose of obtaining a representative rate that will reasonably reflect conditions prevailing at the time in that relevant market; and

(c) for purposes of Section 9(h)(i)(3)(C) and clauses (a)(iv), (b)(i)(3) and (b)(ii)(1) of the definition of Applicable Close-out Rate, a rate equal to the arithmetic mean of the rate determined pursuant to clause (a) above and a rate per annum equal to the cost (without proof or evidence of any actual cost) to the relevant payee (as certified by it) if it were to fund or of funding the relevant amount.

“Automatic Early Termination” has the meaning specified in Section 6(a).

“Burdened Party” has the meaning specified in Section 5(b)(iv).

“Change in Tax Law” means the enactment, promulgation, execution or ratification of, or any change in or amendment to, any law (or in the application or official interpretation of any law) that occurs after the parties enter into the relevant Transaction.

“Close-out Amount” means, with respect to each Terminated Transaction or each group of Terminated Transactions and a Determining Party, the amount of the losses or costs of the Determining Party that are or would be incurred under then prevailing circumstances (expressed as a positive number) or gains of the Determining Party that are or would be realized under then prevailing circumstances (expressed as a negative number) in replacing, or in providing for the Determining Party the economic equivalent of, (a) the material terms of that Terminated Transaction or group of Terminated Transactions, including the payments and deliveries by the parties under Section 2(a)(i) in respect of that Terminated Transaction or group of Terminated Transactions that would, but for the occurrence of the relevant Early Termination Date, have been required after that date (assuming satisfaction of the conditions precedent in

Section 2(a)(iii)) and (b) the option rights of the parties in respect of that Terminated Transaction or group of Terminated Transactions.

Any Close-out Amount will be determined by the Determining Party (or its agent), which will act in good faith and use commercially reasonable procedures in order to produce a commercially reasonable result. The Determining Party may determine a Close-out Amount for any group of Terminated Transactions or any individual Terminated Transaction but, in the aggregate, for not less than all Terminated Transactions. Each Close-out Amount will be determined as of the Early Termination Date or, if that would not be commercially reasonable, as of the date or dates following the Early Termination Date as would be commercially reasonable.

Unpaid Amounts in respect of a Terminated Transaction or group of Terminated Transactions and legal fees and out-of-pocket expenses referred to in Section 11 are to be excluded in all determinations of Close-out Amounts.

In determining a Close-out Amount, the Determining Party may consider any relevant information, including, without limitation, one or more of the following types of information:—

- (i) quotations (either firm or indicative) for replacement transactions supplied by one or more third parties that may take into account the creditworthiness of the Determining Party at the time the quotation is provided and the terms of any relevant documentation, including credit support documentation, between the Determining Party and the third party providing the quotation;
- (ii) information consisting of relevant market data in the relevant market supplied by one or more third parties including, without limitation, relevant rates, prices, yields, yield curves, volatilities, spreads, correlations or other relevant market data in the relevant market; or
- (iii) information of the types described in clause (i) or (ii) above from internal sources (including any of the Determining Party's Affiliates) if that information is of the same type used by the Determining Party in the regular course of its business for the valuation of similar transactions.

The Determining Party will consider, taking into account the standards and procedures described in this definition, quotations pursuant to clause (i) above or relevant market data pursuant to clause (ii) above unless the Determining Party reasonably believes in good faith that such quotations or relevant market data are not readily available or would produce a result that would not satisfy those standards. When considering information described in clause (i), (ii) or (iii) above, the Determining Party may include costs of funding, to the extent costs of funding are not and would not be a component of the other information being utilized. Third parties supplying quotations pursuant to clause (i) above or market data pursuant to clause (ii) above may include, without limitation, dealers in the relevant markets, end-users of the relevant product, information vendors, brokers and other sources of market information.

Without duplication of amounts calculated based on information described in clause (i), (ii) or (iii) above, or other relevant information, and when it is commercially reasonable to do so, the Determining Party may in addition consider in calculating a Close-out Amount any loss or cost incurred in connection with its terminating, liquidating or re-establishing any hedge related to a Terminated Transaction or group of Terminated Transactions (or any gain resulting from any of them).

Commercially reasonable procedures used in determining a Close-out Amount may include the following:—

- (1) application to relevant market data from third parties pursuant to clause (ii) above or information from internal sources pursuant to clause (iii) above of pricing or other valuation models that are, at the time of the determination of the Close-out Amount, used by the Determining Party in the regular course of its business in pricing or valuing transactions between the Determining Party and unrelated third parties that are similar to the Terminated Transaction or group of Terminated Transactions; and

(2) application of different valuation methods to Terminated Transactions or groups of Terminated Transactions depending on the type, complexity, size or number of the Terminated Transactions or group of Terminated Transactions.

“Confirmation” has the meaning specified in the preamble.

“consent” includes a consent, approval, action, authorization, exemption, notice, filing, registration or exchange control consent.

“Contractual Currency” has the meaning specified in Section 8(a).

“Convention Court” means any court which is bound to apply to the Proceedings either Article 17 of the 1968 Brussels Convention on Jurisdiction and the Enforcement of Judgments in Civil and Commercial Matters or Article 17 of the 1988 Lugano Convention on Jurisdiction and the Enforcement of Judgments in Civil and Commercial Matters.

“Credit Event Upon Merger” has the meaning specified in Section 5(b).

“Credit Support Document” means any agreement or instrument that is specified as such in this Agreement.

“Credit Support Provider” has the meaning specified in the Schedule.

“Cross-Default” means the event specified in Section 5(a)(vi).

“Default Rate” means a rate per annum equal to the cost (without proof or evidence of any actual cost) to the relevant payee (as certified by it) if it were to fund or of funding the relevant amount plus 1% per annum.

“Defaulting Party” has the meaning specified in Section 6(a).

“Designated Event” has the meaning specified in Section 5(b)(v).

“Determining Party” means the party determining a Close-out Amount.

“Early Termination Amount” has the meaning specified in Section 6(e).

“Early Termination Date” means the date determined in accordance with Section 6(a) or 6(b)(iv).

“electronic messages” does not include e-mails but does include documents expressed in markup languages, and **“electronic messaging system”** will be construed accordingly.

“English law” means the law of England and Wales, and “English” will be construed accordingly.

“Event of Default” has the meaning specified in Section 5(a) and, if applicable, in the Schedule.

“Force Majeure Event” has the meaning specified in Section 5(b).

“General Business Day” means a day on which commercial banks are open for general business (including dealings in foreign exchange and foreign currency deposits).

“Illegality” has the meaning specified in Section 5(b).

“Indemnifiable Tax” means any Tax other than a Tax that would not be imposed in respect of a payment under this Agreement but for a present or former connection between the jurisdiction of the government or taxation authority imposing such Tax and the recipient of such payment or a person related to such recipient (including, without limitation, a connection arising from such recipient or related person being or having been a citizen or resident of such jurisdiction, or being or having been organised, present or engaged in a trade or business in such jurisdiction, or having or having had a permanent establishment or fixed place of business in such jurisdiction, but excluding a connection arising solely from such recipient or related person having executed, delivered, performed its obligations or received a payment under, or enforced, this Agreement or a Credit Support Document).

“law” includes any treaty, law, rule or regulation (as modified, in the case of tax matters, by the practice of any relevant governmental revenue authority), and ***“unlawful”*** will be construed accordingly.

“Local Business Day” means (a) in relation to any obligation under Section 2(a)(i), a General Business Day in the place or places specified in the relevant Confirmation and a day on which a relevant settlement system is open or operating as specified in the relevant Confirmation or, if a place or a settlement system is not so specified, as otherwise agreed by the parties in writing or determined pursuant to provisions contained, or incorporated by reference, in this Agreement, (b) for the purpose of determining when a Waiting Period expires, a General Business Day in the place where the event or circumstance that constitutes or gives rise to the Illegality or Force Majeure Event, as the case may be, occurs, (c) in relation to any other payment, a General Business Day in the place where the relevant account is located and, if different, in the principal financial centre, if any, of the currency of such payment and, if that currency does not have a single recognized principal financial centre, a day on which the settlement system necessary to accomplish such payment is open, (d) in relation to any notice or other communication, including notice contemplated under Section 5(a)(i), a General Business Day (or a day that would have been a General Business Day but for the occurrence of an event or circumstance which would, if it occurred with respect to payment, delivery or compliance related to a Transaction, constitute or give rise to an Illegality or a Force Majeure Event) in the place specified in the address for notice provided by the recipient and, in the case of a notice contemplated by Section 2(b), in the place where the relevant new account is to be located and (e) in relation to Section 5(a)(v)(2), a General Business Day in the relevant locations for performance with respect to such Specified Transaction.

“Local Delivery Day” means, for purposes of Sections 5(a)(i) and 5(d), a day on which settlement systems necessary to accomplish the relevant delivery are generally open for business so that the delivery is capable of being accomplished in accordance with customary market practice, in the place specified in the relevant Confirmation or, if not so specified, in a location as determined in accordance with customary market practice for the relevant delivery.

“Master Agreement” has the meaning specified in the preamble.

“Merger Without Assumption” means the event specified in Section 5(a)(viii).

“Multiple Transaction Payment Netting” has the meaning specified in Section 2(c).

“Non-affected Party” means, so long as there is only one Affected Party, the other party.

“Non-default Rate” means the rate certified by the Non-defaulting Party to be a rate offered to the Non-defaulting Party by a major bank in a relevant interbank market for overnight deposits in the applicable currency, such bank to be selected in good faith by the Non-defaulting Party for the purpose of obtaining a representative rate that will reasonably reflect conditions prevailing at the time in that relevant market.

“Non-defaulting Party” has the meaning specified in Section 6(a).

“Office” means a branch or office of a party, which may be such party’s head or home office.

“Other Amounts” has the meaning specified in Section 6(f).

“Payee” has the meaning specified in Section 6(f).

“Payer” has the meaning specified in Section 6(f).

“Potential Event of Default” means any event which, with the giving of notice or the lapse of time or both, would constitute an Event of Default.

“Proceedings” has the meaning specified in Section 13(b).

“Process Agent” has the meaning specified in the Schedule.

“rate of exchange” includes, without limitation, any premiums and costs of exchange payable in connection with the purchase of or conversion into the Contractual Currency.

“Relevant Jurisdiction” means, with respect to a party, the jurisdictions (a) in which the party is incorporated, organised, managed and controlled or considered to have its seat, (b) where an Office through which the party is acting for purposes of this Agreement is located, (c) in which the party executes this Agreement and (d) in relation to any payment, from or through which such payment is made.

“Schedule” has the meaning specified in the preamble.

“Scheduled Settlement Date” means a date on which a payment or delivery is to be made under Section 2(a)(i) with respect to a Transaction.

“Specified Entity” has the meaning specified in the Schedule.

“Specified Indebtedness” means, subject to the Schedule, any obligation (whether present or future, contingent or otherwise, as principal or surety or otherwise) in respect of borrowed money.

“Specified Transaction” means, subject to the Schedule, (a) any transaction (including an agreement with respect to any such transaction) now existing or hereafter entered into between one party to this Agreement (or any Credit Support Provider of such party or any applicable Specified Entity of such party) and the other party to this Agreement (or any Credit Support Provider of such other party or any applicable Specified Entity of such other party) which is not a Transaction under this Agreement but (i) which is a rate swap transaction, swap option, basis swap, forward rate transaction, commodity swap, commodity option, equity or equity index swap, equity or equity index option, bond option, interest rate option, foreign exchange transaction, cap transaction, floor transaction, collar transaction, currency swap transaction, cross-currency rate swap transaction, currency option, credit protection transaction, credit swap, credit default swap, credit default option, total return swap, credit spread transaction, repurchase transaction, reverse repurchase transaction, buy/sell-back transaction, securities lending transaction, weather index transaction or forward purchase or sale of a security, commodity or other financial instrument or interest (including any option with respect to any of these transactions) or (ii) which is a type of transaction that is similar to any transaction referred to in clause (i) above that is currently, or in the future becomes, recurrently entered into in the financial markets (including terms and conditions incorporated by reference in such agreement) and which is a forward, swap, future, option or other derivative on one or more rates, currencies, commodities, equity securities or other equity instruments, debt securities or other debt instruments, economic indices or measures of economic risk or value, or other benchmarks against which payments or deliveries are to be made, (b) any combination of these transactions and (c) any other transaction identified as a Specified Transaction in this Agreement or the relevant confirmation.

“Stamp Tax” means any stamp, registration, documentation or similar tax.

“Stamp Tax Jurisdiction” has the meaning specified in Section 4(e).

“Tax” means any present or future tax, levy, impost, duty, charge, assessment or fee of any nature (including interest, penalties and additions thereto) that is imposed by any government or other taxing authority in respect of any payment under this Agreement other than a stamp, registration, documentation or similar tax.

“Tax Event” has the meaning specified in Section 5(b).

“Tax Event Upon Merger” has the meaning specified in Section 5(b).

“Terminated Transactions” means, with respect to any Early Termination Date, (a) if resulting from an Illegality or a Force Majeure Event, all Affected Transactions specified in the notice given pursuant to Section 6(b)(iv), (b) if resulting from any other Termination Event, all Affected Transactions and (c) if resulting from an Event of Default, all Transactions in effect either immediately before the effectiveness of the notice designating that Early Termination Date or, if Automatic Early Termination applies, immediately before that Early Termination Date.

“Termination Currency” means (a) if a Termination Currency is specified in the Schedule and that currency is freely available, that currency, and (b) otherwise, Euro if this Agreement is expressed to be governed by English law or United States Dollars if this Agreement is expressed to be governed by the laws of the State of New York.

“Termination Currency Equivalent” means, in respect of any amount denominated in the Termination Currency, such Termination Currency amount and, in respect of any amount denominated in a currency other than the Termination Currency (the “Other Currency”), the amount in the Termination Currency determined by the party making the relevant determination as being required to purchase such amount of such Other Currency as at the relevant Early Termination Date, or, if the relevant Close-out Amount is determined as of a later date, that later date, with the Termination Currency at the rate equal to the spot exchange rate of the foreign exchange agent (selected as provided below) for the purchase of such Other Currency with the Termination Currency at or about 11:00 a.m. (in the city in which such foreign exchange agent is located) on such date as would be customary for the determination of such a rate for the purchase of such Other Currency for value on the relevant Early Termination Date or that later date. The foreign exchange agent will, if only one party is obliged to make a determination under Section 6(e), be selected in good faith by that party and otherwise will be agreed by the parties.

“Termination Event” means an Illegality, a Force Majeure Event, a Tax Event, a Tax Event Upon Merger or, if specified to be applicable, a Credit Event Upon Merger or an Additional Termination Event.

“Termination Rate” means a rate per annum equal to the arithmetic mean of the cost (without proof or evidence of any actual cost) to each party (as certified by such party) if it were to fund or of funding such amounts.

“Threshold Amount” means the amount, if any, specified as such in the Schedule.

“Transaction” has the meaning specified in the preamble.

“Unpaid Amounts” owing to any party means, with respect to an Early Termination Date, the aggregate of (a) in respect of all Terminated Transactions, the amounts that became payable (or that would have become payable but for Section 2(a)(iii) or due but for Section 5(d)) to such party under Section 2(a)(i) or 2(d)(i)(4) on or prior to such Early Termination Date and which remain unpaid as at such Early Termination Date, (b) in respect of each Terminated Transaction, for each obligation under Section 2(a)(i) which was (or would have been but for Section 2(a)(iii) or 5(d)) required to be settled by delivery to such party on or prior to such Early Termination Date and which has not been so settled as at such Early Termination Date, an amount equal to the fair market value of that which was (or would have been) required to be delivered and (c) if the Early Termination Date results from an Event of Default, a Credit Event Upon Merger or an Additional Termination Event in respect of which all outstanding Transactions are Affected Transactions, any Early Termination Amount due prior to such Early Termination Date and which remains unpaid as of such Early Termination Date, in each case together with any amount of interest accrued or other

compensation in respect of that obligation or deferred obligation, as the case may be, pursuant to Section 9(h)(ii)(1) or (2), as appropriate. The fair market value of any obligation referred to in clause (b) above will be determined as of the originally scheduled date for delivery, in good faith and using commercially reasonable procedures, by the party obliged to make the determination under Section 6(e) or, if each party is so obliged, it will be the average of the Termination Currency Equivalents of the fair market values so determined by both parties.

“Waiting Period” means:—

- (a) in respect of an event or circumstance under Section 5(b)(i), other than in the case of Section 5(b)(i)(2) where the relevant payment, delivery or compliance is actually required on the relevant day (in which case no Waiting Period will apply), a period of three Local Business Days (or days that would have been Local Business Days but for the occurrence of that event or circumstance) following the occurrence of that event or circumstance; and
- (b) in respect of an event or circumstance under Section 5(b)(ii), other than in the case of Section 5(b)(ii)(2) where the relevant payment, delivery or compliance is actually required on the relevant day (in which case no Waiting Period will apply), a period of eight Local Business Days (or days that would have been Local Business Days but for the occurrence of that event or circumstance) following the occurrence of that event or circumstance.

IN WITNESS WHEREOF the parties have executed this document on the respective dates specified below with effect from the date specified on the first page of this document.

**MORGAN STANLEY & CO. INTERNATIONAL
PLC**

[Counterparty Name]

By:.....

By:.....

Name:

Name:

Title:

Title:

Date:

Date:

SCHEDULE

to the

2002 MASTER AGREEMENT

dated as of [To be specified at execution]

between

MORGAN STANLEY & CO. INTERNATIONAL PLC

a public limited company duly organized under the laws of England and Wales

(“Party A”)

and

[Counterparty Name]

a [TBC] duly organized under the laws of [Jurisdiction]

(“Party B”)

acting through [Manager Name] (the “Investment Manager”)

Part 1. Termination Provisions.

- (a) **“Specified Entity”** means in relation to Party A for the purpose of:

Section 5(a)(v) (Default Under Specified Transaction).....Affiliates

Section 5(a)(vi) (Cross Default) None Specified

Section 5(a)(vii) (Bankruptcy) None Specified

Section 5(b)(v) (Credit Event Upon Merger) None Specified

and in relation to Party B for the purpose of:

Section 5(a)(v) (Default Under Specified Transaction).....Affiliates

Section 5(a)(vi) (Cross Default) None Specified

Section 5(a)(vii) (Bankruptcy) None Specified

Section 5(b)(v) (Credit Event Upon Merger) None Specified

- (b) **“Specified Transaction”** means, in lieu of the meaning specified in Section 14, any contract or transaction, including an agreement with respect thereto (whether or not documented under or effected pursuant to a master agreement) now existing or hereafter entered into between one party to this Agreement (or any applicable Credit Support Provider of such party or any applicable Specified Entity of such party) and the other party to this Agreement (or any applicable Credit Support Provider of such party or any applicable Specified Entity of such party).

- (c) **Cross Default** applies to Party A and Party B.

“Specified Indebtedness” has the meaning specified in Section 14 of this Agreement.

“Threshold Amount” means, with respect to Party A an amount equal to USD 10,000,000 (or the equivalent in another currency, currency unit or combination thereof) and with respect to Party B an amount equal to USD 1,000,000 (or the equivalent in another currency, currency unit or combination thereof).

- (d) **Credit Event Upon Merger** will apply to Party A and will apply to Party B.

- (e) The **Automatic Early Termination** provision of Section 6(a) of this Agreement will not apply to Party A and will not apply to Party B.
- (f) **“Termination Currency”** means United States Dollars (“USD”).
- (g) **Additional Termination Event** will apply. Each of the following shall constitute an Additional Termination Event with respect to the party specified below:
 - (i) **Decline in Net Assets.** On any day, the Net Asset Value of Party B (as defined below) has declined by:
 - (A) 15% or more from the Net Asset Value of Party B calculated as of the end of the immediately preceding month; or
 - (B) 25% or more from the Net Asset Value of Party B calculated as of the end of the third preceding month; or
 - (C) 35% or more from the Net Asset Value of Party B calculated as of the end of the twelfth preceding month.

For the purposes of the foregoing Additional Termination Event, Party B shall be the sole Affected Party and all Transactions shall be Affected Transactions.

“Net Asset Value” of Party B shall mean an amount in USD equal to the total assets of Party B minus the total liabilities of Party B, calculated by Party B or by Party A in its reasonable judgment, in either case, in accordance with U.S. generally accepted accounting principles or international accounting standards (in the event Party B does not apply U.S. generally accepted accounting principles).

- (ii) **Failure to Provide Net Asset Value Calculation.**

Party B fails to provide its Net Asset Value information in accordance with the terms of Part 3 of this Schedule.

For the purposes of the foregoing Additional Termination Event, Party B shall be the sole Affected Party and all Transactions shall be Affected Transactions.

- (iii) **Breach of Investment Guideline Restrictions.**

There occurs a material and continuing breach of the restrictions applicable to Party B contained in the most recent prospectus issued by Party B.

For the purposes of the foregoing Additional Termination Event, Party B shall be the sole Affected Party and all Transactions shall be Affected Transactions.

Part 2. Representations.

- (a) **Party A and Party B Payer Tax Representations.** For the purpose of Section 3(e) of this Agreement, each of Party A and Party B makes the following representation:

It is not required by any applicable law, as modified by the practice of any relevant governmental revenue authority, of any Relevant Jurisdiction to make any deduction or withholding for or on account of any Tax from any payment (other than interest under Section 9(h) of this Agreement) to be made by it to the other party under this Agreement. In making this representation, it may rely on: (i) the accuracy of any representations made by the other party pursuant to Section 3(f) of this Agreement; (ii) the satisfaction of the agreement contained in Sections 4(a)(i) or 4(a)(iii) of this Agreement and the accuracy and effectiveness of any document provided by the other party pursuant to Sections 4(a)(i) or 4(a)(iii) of this Agreement; and (iii) the satisfaction of the agreement of the other

party contained in Section 4(d) of this Agreement, except that it will not be a breach of this representation where reliance is placed on clause (ii) and the other party does not deliver a form or document under Section 4(a)(iii) of this Agreement by reason of material prejudice to its legal or commercial position.

(b) **Party A and Party B Payee Tax Representations.**

- (i) For the purpose of Section 3(f) of this Agreement, Party A makes the following representation:

It is a public limited company duly organized under the laws of England and Wales.

- (ii) For the purpose of Section 3(f) of this Agreement, Party B makes the following representation:

It is a [TBC] duly organized under the laws of [Jurisdiction].

Part 3. Agreement to Deliver Documents.

For the purpose of Sections 4(a)(i) and (ii) of this Agreement, each party agrees to deliver the following documents, as applicable:

- (a) Tax forms, documents or certificates to be delivered are:

Party required to deliver <u>document</u>	<u>Form/Document/Certificate</u>	<u>Date by which to be delivered</u>
Party B	An executed United States Internal Revenue Service Form W-8IMY (or any successor thereto) and any required supporting documentation.	(i) Upon the execution of this Agreement; (ii) promptly upon reasonable demand by Party A; and (iii) promptly upon any Form W-8IMY (or any successor thereto) and any required supporting documentation previously provided by Party B becoming obsolete, incorrect or expired.

- (b) Other documents to be delivered are:

Party required to deliver <u>document</u>	<u>Form/Document/Certificate</u>	<u>Date by which to be delivered</u>	<u>Covered by Section 3(d) Representation</u>
Party A and Party B	Either (i) a signature booklet containing a secretary's certificate and resolutions ("authorizing resolutions") or (ii) other authority documentation, in either case, which (x) authorizes the party to enter into derivatives transactions of the type contemplated by the parties and (y) is reasonably satisfactory in form and substance to the other party.	The earlier of (i) the fifth Local Business Day after the trade date of the first Transaction and (ii) upon execution of this Agreement and as deemed necessary for any further documentation.	Yes

Party A and Party B	Certified copies of documents evidencing each party's capacity to execute this Agreement, each Confirmation and any Credit Support Document (if applicable) and to perform its obligations hereunder and thereunder.	Upon the execution of this Agreement, and, with respect to a Confirmation, upon the other party's request.	Yes
Party A	A copy of the annual report of Party A (or of its Credit Support Provider, if any) containing audited consolidated financial statements for each such fiscal year, certified by independent certified public accountants and prepared in accordance with generally accepted accounting principles in the country in which such party is organized; provided however that Party A shall not be required to deliver such annual report if it is publicly available at www.morganstanley.com , or at www.sec.gov .	As soon as practicable after the execution of this Agreement and also within 120 calendar days after the end of each fiscal year while there are any obligations outstanding under this Agreement.	Yes
Party B	A copy of the annual report of such party containing audited consolidated financial statements for each such fiscal year, certified by independent certified public accountants and prepared in accordance with generally accepted accounting principles in the country in which such party is organized.	As soon as practicable after the execution of this Agreement and also within 120 calendar days after the end of each fiscal year while there are any obligations outstanding under this Agreement.	Yes
Party B	Evidence satisfactory to Party A that the Process Agent designated by Party B pursuant to Part 4(b) of this Schedule has agreed to act as such in respect of this Agreement.	Upon request from Party A.	No
Party B	A certificate or report of a responsible officer of Party B, or the Investment Manager, stating: (A) the Net Asset Value of Party B as of the last day of the most recently ended calendar month, and (B) the estimate of the Net Asset Value of Party B as of the close of business on the most recent Local Business Day presented or determined in the form or manner customarily employed to inform Party B's investors of its Net Asset Value, each of which may be delivered by email to:	For the purposes of (A): within 10 calendar days after the end of each such calendar month, and for the purposes of (B): within 2 Local Business Days following the request of Party A.	Yes

hkhedgefunds@morganstanley.com.

Party B	Copies of all relevant offering documents of Party B as may be amended from time to time.	The earlier of the fifth Local Business Day after the trade date of the first Transaction or upon execution of this Agreement and as deemed necessary for any further documentation.	Yes
Party B	The investment management agreement or power-of-attorney from Party B, an incumbency certificate from Party B or Party B's attorney-in-fact (as appropriate) and the Investment Manager side letter in a form acceptable to Party A and substantially similar to the sample attached hereto and marked Exhibit A.	Upon the execution of this Agreement.	Yes
Party B	A copy of all relevant formation documents (such as certificate of formation, articles of incorporation, partnership agreement, trust agreement and/or central register of charities), disclosure documents (such as offering memorandum, prospectus, memorandum and articles of association and/or audited financial statement), a list of all principals (such as directors / trustees / general partners) (in each case as may be amended from time to time), the government-issued or taxpayer identification number (as applicable), and any other documentation required to meet customer identification program requirements.	The earlier of (i) execution of this Agreement and (ii) the trade date of the first Transaction and as deemed necessary for any further documentation.	Yes
Party A and Party B	Such other documents as the other party may reasonably request.	Upon request	No

Part 4. Miscellaneous.

(a) **Addresses for Notices.** For the purpose of Section 12(a) of this Agreement:

(i) Address for notices or communications to Party A:

For notices or communications with respect to Sections 5 or 6 only:

MORGAN STANLEY & CO. INTERNATIONAL PLC
25 Cabot Square / Canary Wharf
London E14 4QA
England
Attention: Close-out Notices
With a mandatory copy to:
Facsimile No.: +1 212 507 4622

For notices or communications with respect to all purposes other than Sections 5 or 6:

MORGAN STANLEY & CO. INTERNATIONAL PLC
25 Cabot Square / Canary Wharf
London E14 4QA
England
Attention: Miscellaneous Notices
Facsimile No.: +1 212 404 9899

- (ii) Address for notices or communications to Party B:
- [Counterparty Name]
[PLEASE INSERT DETAILS]
Attention: [PLEASE INSERT DETAILS]
Telephone No.: [PLEASE INSERT DETAILS]
Facsimile No.: [PLEASE INSERT DETAILS]
- (b) **Process Agent.** For the purpose of Section 13(c) of this Agreement:
- (i) Party A does not appoint a Process Agent.
- (ii) Party B irrevocably appoints as its Process Agent:
- [PLEASE INSERT LONDON PROCESS AGENT ADDRESS]
- (c) **Offices.** The provisions of Section 10(a) of this Agreement will apply to Party A and Party B.
- (d) **Multibranch Party.** For the purpose of Section 10(b) of this Agreement:
- Party A is not a Multibranch Party.
- Party B is not a Multibranch Party.
- (e) **“Calculation Agent”** means Party A.
- (f) **“Credit Support Document”** means with respect to Party A, any credit support annex, any Confirmation and any other document which by its terms secures, guarantees or otherwise supports Party A’s obligations under this Agreement.
- “Credit Support Document”** means with respect to Party B, any credit support annex, any Confirmation and any other document which by its terms secures, guarantees or otherwise supports Party B’s obligations under this Agreement.
- (g) **“Credit Support Provider”** means in relation to Party A: None.
- “Credit Support Provider”** means in relation to Party B: None.
- (h) **Governing Law; Jurisdiction.** Sections 13(a) and (b) of the Agreement shall be deleted and replaced with the following:

- “(a) **Governing Law.** This Agreement and any non-contractual obligations arising out of or in relation to it will be governed by and construed in accordance with the laws of England and Wales.
- (b) **Jurisdiction and Third Party Rights.**
- (i) **Jurisdiction.** With respect to any suit, action or proceedings relating to any dispute, whether contractual or non-contractual, arising out of or in connection with this Agreement, (“Proceedings”), each party:
- (1) irrevocably submits to the exclusive jurisdiction of the English courts; and
 - (2) waives any objection which it may have at any time to the laying of venue of any Proceedings brought in any such court, waives any claim that such Proceedings have been brought in an inconvenient forum and further waives the right to object, with respect to such Proceedings, that such court does not have any jurisdiction over such party.
- (ii) **Third Party Rights**
- (1) Subject to this clause, a person who is not a party to this Agreement has no right under the Contracts (Rights of Third Parties) Act 1999 to enforce any term of this Agreement.
 - (2) Notwithstanding the foregoing, an Affiliate may enforce the rights expressly granted to an Affiliate under this Agreement, if any, subject to and in accordance with this clause, Section 13(a) and (b) of this Agreement and the provisions of the Contracts (Rights of Third Parties) Act 1999. However, such an Affiliate may not bring proceedings to enforce any of those terms unless it has first given written notice to the parties (in accordance with Section 12 of this Agreement) agreeing to the provisions of Section 13 of this Agreement. The parties to this Agreement do not require the consent of any Affiliate or other third party to rescind or vary this Agreement.”
- (i) **Waiver of Jury Trial.** EACH PARTY WAIVES, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, ANY RIGHT IT MAY HAVE TO A TRIAL BY JURY IN RESPECT OF ANY PROCEEDINGS RELATING TO THIS AGREEMENT OR ANY CREDIT SUPPORT DOCUMENT.
- (j) **Netting of Payments.** “Multiple Transaction Payment Netting” will apply for the purpose of Section 2(c) of this Agreement to all Transactions under this Agreement, provided, however, that (i) obligations to make payments pursuant to FX Transactions shall only be netted, satisfied and discharged against obligations to make payments arising out of the same or other FX Transactions and obligations to make payments pursuant to Currency Option Transactions shall only be netted, satisfied and discharged against obligations to make payments arising out of the same or other Currency Option Transactions and (ii) Premiums in respect of Currency Option Transactions shall be netted, satisfied and discharged only against other Premiums in respect of Currency Option Transactions. The Calculation Agent shall notify the parties of the amounts of any such netted payments (which notice may be by telephone).
- (k) **“Affiliate”** has the meaning specified in Section 14 of this Agreement, provided that in relation to Party A excludes Morgan Stanley Derivative Products Inc.
- (l) **Absence of Litigation.** For the purpose of Section 3(c) of this Agreement “Specified Entity” shall mean Affiliates in relation to Party A and Affiliates in relation to Party B.
- (m) **No Agency.** The provisions of Section 3(g) will apply to both parties of this Agreement.

- (n) **Additional Representation** will apply. For the purpose of Section 3 of this Agreement the following Sections will constitute Additional Representations:
- (h) **Relationship Between Parties.** Each party will be deemed to represent to the other party on each date on which it enters into a Transaction that (absent a written agreement between the parties that expressly imposes affirmative obligations to the contrary for that Transaction):
- (i) **Non-Reliance.** It is acting for its own account, and it has made its own independent decisions to enter into that Transaction and as to whether that Transaction is appropriate or proper for it based upon its own judgment and upon advice from such advisers as it has deemed necessary. It is not relying on any communication (written or oral) of the other party as investment advice or as a recommendation to enter into that Transaction; it being understood that information and explanations related to the terms and conditions of a Transaction shall not be considered investment advice or a recommendation to enter into that Transaction. No communication (written or oral) received from the other party shall be deemed to be an assurance or guarantee as to the expected results of that Transaction;
- (ii) **Assessment and Understanding.** It is capable of assessing the merits of and understanding (on its own behalf or through independent professional advice), and understands and accepts, the terms, conditions and risks of that Transaction. It is also capable of assuming, and assumes, the risks of that Transaction; and
- (iii) **Status of Parties.** The other party is not acting as a fiduciary for or an adviser to it in respect of that Transaction.
- (i) **Non-ERISA Representation.** Party B represents (which representations will be deemed to be repeated by it at all times until termination of this Agreement) that it is not (i) an employee benefit plan, as defined in Section 3(3) of the Employee Retirement Income Security Act of 1974, as amended ("ERISA"), subject to Title I of ERISA (an "ERISA Plan") or a plan subject to Section 4975 of the Internal Revenue Code of 1986, as amended, or subject to any other statute, regulation, procedure or restriction that is materially similar to Section 406 of ERISA or Section 4975 of the Code (together with ERISA Plans, "Plans"), (ii) a person any of the assets of whom constitute assets of a Plan, or (iii) in connection with any Transaction under this Agreement, a person acting on behalf of a Plan, or using the assets of a Plan. It will provide notice to the other party in the event that it is aware that it is in breach of any aspect of this representation or is aware that with the passing of time, giving of notice or expiry of any applicable grace period it will breach this representation.
- (j) **Investment Manager Trading Authorization.** Party B and the Investment Manager, in its individual capacity, each represents and warrants to Party A (which representations and warranty will be deemed to be repeated by Party B and the Investment Manager, in its individual capacity at all times until the Termination of this Agreement) that:
- (i) the Investment Manager is duly authorized and empowered by Party B to enter into and perform on behalf of Party B all the obligations of Party B under the Agreement and all Transactions thereunder;
- (ii) each Transaction is and will be entered into by the Investment Manager on behalf of Party B and not for the Investment Manager's own account and constitutes and will constitute legal, valid and binding obligations of Party B enforceable in accordance with its terms;
- (iii) in respect of this Agreement, Party B has full legal capacity and power to enter into this Agreement and all Transactions thereunder and to do so through Investment Manager's agency (and all actions required to be taken by Party B and/or each of its agents to authorize the same and all other acts, conditions, and things required to be

done, fulfilled or performed by it or them in relation thereto, have been done, fulfilled or performed); and

- (iv) it is entitled to rely conclusively upon any request, order, instruction, certificate, opinion or other document or information furnished to Party A by any employee or agent of Investment Manager or a sub-adviser and reasonably believed by Party A to be genuine, as though such request, order, instruction, certificate, opinion or other document or information were given by Party B.
- (o) **Recording of Conversations.** Each party (i) consents to the recording of telephone conversations between the trading, marketing and other relevant personnel of the parties in connection with this Agreement or any potential Transaction, (ii) agrees to obtain any necessary consent of, and give any necessary notice of such recording to, its relevant personnel and (iii) agrees, to the extent permitted by applicable law, that recordings may be submitted in evidence in any Proceedings.

Part 5. Other Provisions.

- (a) **Set-Off.** Section 6(f) of the Agreement shall be deleted and replaced with the following:
 - “(f) **Set-Off.**
 - (i) In addition to any rights of set-off a party may have as a matter of law or otherwise, upon the occurrence of an Event of Default with respect to a party (“X”) hereof (or a provision analogous thereto) or a Termination Event where X is the sole Affected Party, the other party (“Y”) shall have the right (but shall not be obliged) without prior notice to X or any other person to set off any obligation of X owing to Y or any Affiliate of Y (whether or not arising under this Agreement, whether or not matured, whether or not contingent and regardless of the currency, place of payment or booking office of the obligation) against any obligations of Y or any Affiliate of Y owing to X (whether or not arising under this Agreement, whether or not matured, whether or not contingent and regardless of the currency, place of payment or booking office of the obligation).
 - (ii) For the purpose of cross-currency set off, Y may convert any obligation to another currency at a market rate determined by Y.
 - (iii) If any obligation is unascertained, Y may in good faith estimate that obligation and set off in respect of the estimate, subject to the relevant party accounting to the other when the obligation is ascertained.
 - (iv) Nothing in this paragraph will have the effect of creating a charge or other security interest. This paragraph shall be without prejudice and in addition to any right of set-off, combination of accounts, lien or other right to which any party is at any time otherwise entitled (whether by operation of law, contract or otherwise).”
- (b) **Export of Defaults.** The occurrence or effective designation of an Early Termination Date with respect to an Event of Default, a Credit Event Upon Merger, or an Additional Termination Event where a party to this Agreement (“X”) is the Defaulting Party or sole Affected Party shall constitute a material breach and event of default (howsoever described) under all agreements, contracts and transactions other than this Agreement (1) between X and the other party to this Agreement (“Y”) and (2) between X and any Affiliate of Y (together, the “Other Contracts”), whereupon Y and the relevant Affiliate(s) of Y shall each have the right to terminate, liquidate and otherwise close out any such Other Contracts to which it is a party (and X shall be liable for any damages, losses, costs or other expenses suffered by Y and the relevant Affiliate(s) of Y as a result thereof).
- (c) **Single Relationship.** The parties and their Affiliates intend that all Transactions and all other obligations (whether or not arising under this Agreement, whether or not matured, whether or not

contingent and regardless of the currency, place of payment or booking office of the obligation) shall be treated as mutual and part of a single, indivisible contractual and business relationship.

- (d) **Procedures for Entering Into Transactions.** Party A will deliver to Party B a Confirmation relating to each Transaction.
- (e) **Form of Agreement.** The parties hereby agree that the text of the body of the Agreement is intended to be the printed form of 2002 ISDA Master Agreement as published and copyrighted by the International Swaps and Derivatives Association, Inc.
- (f) **Transfers.** The following provision (c) is hereby added to Section 7 of this Agreement:
 - “(c) Party A may, for any legal, tax, accounting, or regulatory reason, transfer its rights and obligations under this Agreement or any agreement for a Specified Transaction to any Affiliate of Party A, and Party B agrees to such transfer; provided, however, that the transferee (or its Credit Support Provider) has substantially the same credit-worthiness as Party A.”
- (g) **2002 Master Agreement Protocol.** Party A and Party B each agree that either 1) it is an adherent to the ISDA 2002 Master Agreement Protocol published by the International Swaps and Derivatives Association, Inc. on July 15, 2003 (the “2002 Protocol”) or 2) in accordance with the terms of the 2002 Protocol, certain amendments shall be deemed to be made to:
 - (i) sets of definitions and provisions published before 2002 by ISDA (each an “ISDA Definitions Booklet”); and
 - (ii) documents containing credit support provisions published before 2002 by ISDA (each called “Credit Support Provisions”);in each case in accordance with the terms of the 2002 Protocol as specified in Annexes 1-18 thereof. As used in this Agreement (including in all Confirmations related to it), any reference to any ISDA Definitions Booklet and/or Credit Support Provisions shall mean that ISDA Definitions Booklet and/or those Credit Support Provisions as deemed amended in accordance with the terms of the 2002 Protocol.
- (h) **ISDA 2013 EMIR Portfolio Reconciliation, Dispute Resolution and Disclosure Protocol.** Party A and Party B hereby confirm that to the extent they are (or are in the process of becoming) adhering parties to the ISDA 2013 EMIR Portfolio Reconciliation, Dispute Resolution and Disclosure Protocol published by the International Swaps and Derivatives Association Inc. on 19 July 2013 (the “**PDD Protocol**”), the PDD Protocol and Party A and Party B’s respective elections under the PDD Protocol are incorporated into and apply to this Agreement as if this Agreement was a Protocol Covered Agreement.
- (i) **Equity Swap Transactions on Financial Underliers.** The occurrence of any final valuation date of a Transaction (a) where a Party A is the equity amount payer and (b) the underlier of which is the common stock (or the equivalent thereof) of a “financial institution” (as defined in “Regulatory Capital Rules: Regulatory Capital, Implementation of Basel III, Capital Adequacy, Transition Provisions, Prompt Corrective Action, Standardized Approach for Risk-weighted Assets, Market Discipline and Disclosure Requirements, Advanced Approaches Risk-Based Capital Rule, and Market Risk Capital Rule” promulgated by the Office of the Comptroller of the Currency, Treasury; and the Board of Governors of the Federal Reserve System on July 2, 2013) or an index/basket, or security that contains the common stock (or the equivalent thereof) of a “financial institution” shall be delayed, in whole or in part, to the extent necessary to allow such Party A to unwind any hedge it may have to a Transaction; provided, however, that on any scheduled final valuation date the relevant Party A will use all commercially reasonable efforts to unwind any relevant hedge in light of then-prevailing market condition.

- (j) **ISDA 2015 Section 871(m) Protocol.** Party A is an adherent to the ISDA 2015 Section 871 (m) Protocol published by the International Swaps and Derivatives Association, Inc. on November 2, 2015, as may be amended or modified from time to time (the "Section 871(m) Protocol"). In the event that Party B is not an adherent to the Section 871(m) Protocol, Party A and Party B hereby agree that this Agreement shall be treated as a Covered Master Agreement (as that term is defined in the Section 871(m) Protocol) and certain amendments shall be deemed to be made to this Agreement in accordance with the Attachment to the Section 871(m) Protocol.
- (k) **2015 Universal Resolution Stay Protocol.** The terms of the ISDA 2015 Universal Resolution Stay Protocol are incorporated into and form part of this Agreement, and this Agreement shall be deemed a Covered Agreement for purposes thereof. In the event of any inconsistencies between this Agreement and the Protocol, the Protocol will prevail.
- (l) **Conditions Precedent.** Section 2(a)(iii)(1) of the Agreement shall be modified to insert the words "Additional Termination Event" after the words "Event of Default" in line 2 thereof.
- (m) **Withholding Tax imposed on payments to non-US counterparties under the United States Foreign Account Tax Compliance Act.** "Tax" as used in Part 2(a) of this Schedule (Payer Tax Representation) and "Indemnifiable Tax" as defined in Section 14 of this Agreement shall not include any U.S. federal withholding tax imposed or collected pursuant to Sections 1471 through 1474 of the U.S. Internal Revenue Code of 1986, as amended (the "Code"), any current or future regulations or official interpretations thereof, any agreement entered into pursuant to Section 1471(b) of the Code, or any fiscal or regulatory legislation, rules or practices adopted pursuant to any intergovernmental agreement entered into in connection with the implementation of such Sections of the Code (a "FATCA Withholding Tax"). For the avoidance of doubt, a FATCA Withholding Tax is a Tax the deduction or withholding of which is required by applicable law for the purposes of Section 2(d) of this Agreement.

Part 6. FX Transactions and Currency Option Transactions.

- (a) **Scope.** If the parties enter into or have any outstanding FX Transactions or Currency Option Transactions, as each defined in the FX Definitions (hereinafter defined), (whether before or after this Agreement is entered into), this Part (FX Transactions and Currency Option Transactions) of the Schedule shall apply.
- (b) **Definitions.** Any Confirmation between the parties relating to an FX Transaction or Currency Option Transaction, whether or not it is expressed to be, shall constitute a "Confirmation" as referred to in this Agreement and shall incorporate the 1998 FX and Currency Option Definitions (as published by the International Swaps and Derivatives Association, Inc., the Emerging Markets Traders Association and The Foreign Exchange Committee), including Annex A thereto as in effect on the Trade Date of the relevant Transaction (collectively, the "FX Definitions"). In the event of any inconsistency between the provisions of this Agreement and the FX Definitions, this Agreement will prevail. In the event of any inconsistency between the provisions of any Confirmation and this Agreement or the FX Definitions, such Confirmation will prevail for the purposes of the relevant Transaction.
- (c) **Discharge and Termination of Options.** The FX Definitions are hereby amended by adding the following new Section 3.9:

"Section 3.9. Discharge and Termination of Currency Option Transactions. Unless otherwise agreed, any Call or Put written by a party will automatically be terminated and discharged, in whole or in part, as applicable, against a Call or a Put, respectively, written by the other party, such termination and discharge to occur automatically upon the payment in full of the last Premium payable in respect of such Currency Option Transactions; *provided that*, such termination and discharge may only occur in respect of Currency Option Transactions:

- (a) each being with respect to the same Put Currency and the same Call Currency;

- (b) each having the same Expiration Date and Expiration Time;
- (c) each being of the same style (i.e., both being American Style Options, both being European Style Options or both being Bermuda or Mid-Atlantic Style Options);
- (d) each having the same Strike Price;
- (e) neither of which shall have been exercised by delivery of a Notice of Exercise;
- (f) which are otherwise identical in terms that are material for the purposes of offset and discharge;

and, upon the occurrence of such termination and discharge, neither party shall have any further obligation to the other party in respect of the relevant Currency Option Transactions or, as the case may be, parts thereof so terminated and discharged. Such termination and discharge shall be effective notwithstanding that either party (i) may fail to send out a Confirmation, (ii) may fail to record such termination and discharge in its books, or (iii) may send out a Confirmation that is inconsistent with such termination and discharge. In the case of a partial termination and discharge (i.e., where the relevant Currency Option Transactions are for different amounts of the Currency Pair), the remaining portion of the Currency Option Transaction which is partially terminated and discharged shall continue to be a Currency Option Transaction for all purposes hereunder.”

- (d) **Payments Relating to FX Transactions and Currency Option Transactions.** In the case of FX Transactions and Currency Option Transactions only, payments shall be made to the parties as specified in the relevant Confirmation or as otherwise advised.

IN WITNESS WHEREOF, the parties have executed this Schedule by their duly authorized officers as of the date hereof.

MORGAN STANLEY & CO. INTERNATIONAL **[Counterparty Name]**
PLC

By: _____
 Name:
 Title:
 Date:

By: _____
 Name:
 Title:
 Date:

[Manager Name]
 in its individual capacity with respect to Sections 3(i)
 and 3(j)

By: _____
 Name:
 Title:
 Date:

EXHIBIT A

[To be specified at execution]

Morgan Stanley & Co. International plc ("Morgan Stanley")
25 Cabot Square / Canary Wharf
London E14 4QA
England

To Whom It May Concern:

Re: The ISDA Master Agreement between [Counterparty Name] (the
"Client") and **MORGAN STANLEY & CO. INTERNATIONAL PLC**
(the "Agreement")

We continuously represent and warrant to Morgan Stanley that:

- (i) we act as investment adviser for the Client and we are duly authorized and empowered by them, on their behalf and on a discretionary basis, to direct orders, enter into Transactions, sign Confirmations, and perform all of their obligations under the Agreement and all Transactions thereunder;
- (ii) each Transaction is and will be entered into by us on behalf of the Client and constitutes a valid and binding obligation of the Client, enforceable in accordance with its terms;
- (iii) Morgan Stanley may rely on our assurance that the Client has full legal capacity and power to enter into the ISDA Master Agreement and all Transactions thereunder and to do so through our agency (and all actions required to be taken by the Client and/or each of its agents to authorize the same and all other acts, conditions, and things required to be done, fulfilled or performed by it or them in relation thereto, have been done, fulfilled or performed); and
- (iv) you are entitled to rely conclusively upon any request, order, instruction, certificate, opinion or other document or information furnished to you by any employee or agent of ours or a sub-adviser and reasonably believed by you to be genuine, as though such request, order, instruction, certificate, opinion or other document or information were given by the Client.
- (v) any order given to Morgan Stanley by us (a) shall not exceed the scope of the authority granted to us by the Client and (b) will be suitable for the Client.

We agree that the representations contained in this letter will be deemed to be repeated by us on each date on which a Transaction is entered into by the Client with Morgan Stanley.

This letter shall be governed by and construed in accordance with the applicable law governing the Agreement, as amended from time to time. The terms of Section 13(b) of the Agreement, as amended from time to time, shall apply to this letter with references in such Section to "this Agreement" being deemed references to this letter.

Sincerely,

[Manager Name]

ACKNOWLEDGED AND CONFIRMED

this ____ day of _____, 201_

[Counterparty Name]

By: _____

Name:

Title:

Date:

By: _____

Name:

Title:

Date: