| BROKER OR DEALER | | |
|--------------------------|-------|----------|
| | as of | 10/31/17 |
| MORGAN STANLEY & CO. LLC | _ | |

STATEMENT OF SEGREGATION REQUIREMENTS AND FUNDS IN SEGREGATION FOR CUSTOMERS TRADING ON U.S. COMMODITY EXCHANGES

| SEGREGATION REQUIREMENTS (Section 4d(2) of the CEACt) | | | |
|---|-------------------|----------------|--------|
| 1. Net ledger balance | | | |
| A. Cash | \$ | 8,337,881,798 | 7010 |
| B. Securities (at market) | | 4,737,058,420 | 7020 |
| 2. Net unrealized profit (loss) in open futures contracts traded on a contract market | | 1,166,874,017 | 7030 |
| 3. Exchange traded options | | | |
| A. Add market value of open option contracts purchased on a contract market | | 348,828,872 | 7032 |
| B. Deduct market value of open option contracts granted (sold) on a contract market | (| 424,707,535 | 7033 |
| 4. Net equity (deficit) (add lines 1, 2, and 3) | | 14,165,935,572 | 7040 |
| 5. Accounts liquidating to a deficit and accounts with debit balances | | | |
| - gross amount | 212,661,158 7045 | | |
| Less: amount offset by customer owned securities (| 212,319,543) 7047 | 341,615 | 7050 |
| 6. Amount required to be segregated (add lines 4 and 5) | \$ | 14,166,277,187 | 7060 |
| FUNDS IN SEGREGATED ACCOUNTS | | | |
| 7. Deposited in segregated funds bank accounts | | | |
| A. Cash | | 4,595,007,997 | 7070 |
| B. Securities representing investments of customers' funds (at market) | | 0 | 7080 |
| C. Securities held for particular customers or option customers in lieu of cash (at marke | et) | 779,371,725 | 7090 |
| 8. Margins on deposit with derivatives clearing organizations of contract markets | | | |
| A. Cash | \$ | 5,153,778,704 | 7100 |
| B. Securities representing investments of customers' funds (at market) | | 0 | 7110 |
| C. Securities held for particular customers or option customers in lieu of cash (at marke | et) | 3,957,686,696 | 7120 |
| 9. Net settlement from (to) derivatives clearing organizations of contract markets | | 93,035,712 | 7130 |
| 10. Exchange traded options | | | |
| A. Value of open long option contracts | | 348,828,872 | 7132 |
| B. Value of open short option contracts | | (424,707,535 |) 7133 |
| 11. Net equities with other FCMs | | | |
| A. Net liquidating equity | | 6,955,258 | 7140 |
| B. Securities representing investments of customers' funds (at market) | | 0 | 7160 |
| C. Securities held for particular customers or option customers in lieu of cash (at marke | et) | 0 | 7170 |
| 12. Segregated funds on hand (describe: |) | 0 | 7150 |
| 13. Total amount in segregation (add lines 7 through 12) | | 14,509,957,429 | 7180 |
| 14. Excess (deficiency) funds in segregation (subtract line 6 from line 13) | \$ | 343,680,242 | 7190 |
| 15. Management Target Amount for Excess funds in segregation | \$ | 285,000,000 | 7194 |
| 16. Excess (deficiency) funds in segregation over (under) Management Target Amount Exc | ccess \$ | 58,680,242 | 7198 |

| BROKER OR DEALER | | |
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| | as of | 10/31/17 |
| MORGAN STANLEY & CO. LLC | | |

STATEMENT OF SEGREGATION REQUIREMENTS AND FUNDS IN SEGREGATION FOR CUSTOMERS' DEALER OPTIONS ACCOUNTS

| 1. Amount required to be segregated in accordance | | |
|---|-------------------------|-------------------|
| with Commission regulation 32.6 | \$ | 0 7200 |
| 2. Funds in segregated accounts | | |
| A. Cash | \$ ₀ 7210 | |
| B. Securities (at market) | 0 7220 | |
| C. Total | | ₀ 7230 |
| 3. Excess (deficiency) funds in segregation | | |
| (subtract line 2.C from line 1) | \$ | 0 7240 |

| BROKER OR DEALER | | |
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| MORGAN STANLEY & CO. LLC | as of _ | 10/31/17 |

STATEMENT OF SECURED AMOUNTS AND FUNDS HELD IN SEPARATE ACCOUNTS PURSUANT TO COMMISSION REGULATION 30.7

| FOREIGN FUTURES AND FOREIGN OPTIONS SECURED AMOUNTS | | | |
|--|-------------------|-------------------------------------|--|
| Amount required to be set aside pursuant to law, rule or regulation of a foreign or a rule of a self-regulatory organization authorized thereunder | government | | \$ ₀ 7305 |
| Net ledger balance - Foreign Futures and Foreign Option Trading - All Custo A. Cash B. Securities (at market) | omers | | \$ 2,418,408,650 7315 1,441,263,991 7317 |
| 2. Net unrealized profit (loss) in open futures contracts traded on a foreign boa | ard of trade | | 1,112,469,365 7325 |
| 3. Exchange traded optionsA. Market value of open option contracts purchased on a foreign board of tradeB. Market value of open contracts granted (sold) on a foreign board of trade | | | 24,851,402 7335 (17,634,562) 7337 |
| 4. Net equity (deficit) (add lines 1. 2. and 3.) | | | \$ 4,979,358,846 7345 |
| 5. Accounts liquidating to a deficit and accounts with | | | |
| debit balances - gross amount Less: amount offset by customer owned securities | \$ | 31,079,475 7351 30,514,937) 7352 | 564,538 7354 |
| 6. Amount required to be set aside as the secured amount - Net Liquidating Equity Method (add lines 4 and 5) | | \$ 4,979,923,384 7355 | |
| 7. Greater of amount required to be set aside pursuant to foreign jurisdiction (a | above) or line 6. | | \$ 4,979,923,384 7360 |

| BROKER OR DEALER | | |
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| MORGAN STANLEY & CO. LLC | as of | 10/31/17 |

STATEMENT OF SECURED AMOUNTS AND FUNDS HELD IN SEPARATE ACCOUNTS PURSUANT TO COMMISSION REGULATION 30.7

| FUNDS DEPOSITED IN SEPARATE REGULATION 30.7 ACCOUNTS | | | |
|--|---------------|---------------------|--------------------|
| 1. Cash in banks | | | |
| A. Banks located in the United States | \$ | 181,224,659 7500 | |
| B. Other banks qualified under Regulation 30.7 | | <u> </u> | |
| Name(s): 0 7510 | | 930,735,657 7520 \$ | 1,111,960,316 7530 |
| 2. Securities | | | |
| A. In safekeeping with banks located in the United States | \$ | 246,416,575 7540 | |
| B. In safekeeping with other banks qualified under Regulation 30.7 | | | |
| Name(s): <u>0</u> 7550 | | 0 7560 | 246,416,575 7570 |
| 3. Equities with registered futures commission merchants | | | |
| A. Cash | \$ | 7,554,778 7580 | |
| B. Securities | | 0 7590 | |
| C. Unrealized gain (loss) on open futures contracts | | 371,238 7600 | |
| D. Value of long option contracts | | ₀ 7610 | |
| E. Value of short option contracts | (| <u>0</u>) 7615 | 7,926,016 7620 |
| 4. Amounts held by clearing organizations of foreign boards of trade | | | |
| Name(s): 0 7630 | | | |
| A. Cash | \$ | 0 7640 | |
| B. Securities | | 0 7650 | |
| C. Amount due to (from) clearing organizations - daily variation | | ₀ 7660 | |
| D. Value of long option contracts | | ₀ 7670 | |
| E. Value of short option contracts | (| ₀) 7675 | ₀ 7680 |
| 5. Amounts held by members of foreign boards of trade | | | |
| Name(s): <u>0</u> 7690 | | | |
| A. Cash | \$ | 1,490,726,801 7700 | |
| B. Securities | | 1,194,847,417 | |
| C. Unrealized gain (loss) on open futures contracts | | 1,112,057,066 7720 | |
| D. Value of long option contracts | | 24,851,402 7730 | |
| E. Value of short option contracts | (| (17,634,561) 7735 | 3,804,848,125 |
| 6. Amounts with other depositories designated by a foreign board of trade | | | |
| Name(s): <u>0</u> | | | 0 7760 |
| 7. Segregated funds on hand (describe: |) | | 0 7765 |
| B. Total funds in separate section 30.7 accounts | | \$ | 5,171,151,032 7770 |
| 9. Excess (deficiency) set Aside Funds for Secured Amount (subtract Line 7 | Secured | | |
| Statement page 15 from Line 8) | | \$ | 191,227,648 7380 |
| 10. Management Target Amount for Excess funds in separate section 30.7 a | accounts | \$ | 140,000,000 7780 |
| 11. Excess (deficiency) funds in separate 30.7 accounts over (under) Manag | gement Target | \$ | 51,227,648 7785 |
| | | | |

| BROKER OR DEALER | | |
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| MORGAN STANLEY & CO. LLC | as of | 10/31/17 |

STATEMENT OF CLEARED SWAPS CUSTOMER SEGREGATION REQUIREMENTS AND FUNDS IN CLEARED SWAPS CUSTOMER ACCOUNTS UNDER 4D(F) OF THE CEA

| Cleared Swaps Customer Requirements | | | |
|---|--------------------------------|----|---------------------|
| 1. Net ledger balance | | | |
| A. Cash | | \$ | 8,301,568,487 |
| B. Securities (at market) | | | 5,034,191,160 8510 |
| 2. Net unrealized profit (loss) in open cleared swaps | | | 13,098,741 |
| 3. Cleared swaps options | | | |
| A. Market value of open cleared swaps option contracts purchased | | | 0 8530 |
| B. Market value of open cleared swaps option contracts granted (sold) | | (| ₀) 8540 |
| 4. Net equity (deficit) (add lines 1, 2, and 3) | | \$ | 13,348,858,388 8550 |
| 5. Accounts liquidating to a deficit and accounts with | | | |
| debit balances - gross amount | \$ 50,328,329 8560 | | |
| Less: amount offset by customer owned securities | (49,160,128) 8570 | | 1,168,201 8580 |
| 6. Amount required to be segregated for cleared swaps customers (add lines | s 4 and 5) | \$ | 13,350,026,589 |
| Funds in Cleared Swaps Customer Segregated Accounts | | | |
| 7. Deposited in cleared swaps customer segregated accounts at banks | | | |
| A. Cash | | \$ | 2,360,071,881 8600 |
| B. Securities representing investments of cleared swaps customers' funds | (at market) | | 0 8610 |
| C. Securities held for particular cleared swaps customers in lieu of cash (a | at market) | | 255,569,129 8620 |
| 8. Margins on deposit with derivatives clearing organizations in cleared swap | s customer segregated accounts | | |
| A. Cash | | | 6,068,917,830 8630 |
| B. Securities representing investments of cleared swaps customers' funds | (at market) | | 0 8640 |
| C. Securities held for particular cleared swaps customers in lieu of cash (a | at market) | | 4,778,622,031 |
| 9. Net settlement from (to) derivatives clearing organizations | | | 23,894,372 |
| 10. Cleared swaps options | | | |
| A. Value of open cleared swaps long option contracts | | | 0 8670 |
| B. Value of open cleared swaps short option contracts | | (| 0) 8680 |
| 11. Net equities with other FCMs | | | |
| A. Net liquidating equity | | | 0 8690 |
| B. Securities representing investments of cleared swaps customers' funds | (at market) | | 0 8700 |
| C. Securities held for particular cleared swaps customers in lieu of cash (a | at market) | | 0 8710 |
| 12. Cleared swaps customer funds on hand (describe: |) | | 0 8715 |
| 13. Total amount in cleared swaps customer segregation (add lines 7 through | າ 12) | \$ | 13,487,075,243 |
| 14. Excess (deficiency) funds in cleared swaps customer segregation (subtra | act line 6 from line 13) | \$ | 137,048,654 |
| 15. Management Target Amount for Excess funds in cleared swaps segregat | ed accounts | \$ | 92,000,000 8760 |
| 16. Excess (deficiency) funds in cleared swaps customer segregated account | nts over | | |
| (under) Management Target Excess | | \$ | 45,048,654 8770 |