

# **Merrill Lynch International**

Form SBSE-A

Supplemental Filing Attachment:

**Amendment to Schedule B, Section II**

**Question 13B**

**December 20, 2022**

**Merrill Lynch International - Response to Question 13B of Form SBSE-A with respect to arrangements with others who Execute or Trade**

| Venue Legal Entity Name  | Business Address   | LEI                   |
|--|--|-----------------------|
| AQUIS EXCHANGE PLC   | 77 Cornhill, LONDON, UNITED KINGDOM, EC3V 3QQ  | 213800IXJF5E1SIW150   |
| AUREL BGC  | BGC AUREL ETC POLLAK 15 17, PARIS, FRANCE, 75002   | 5RJTDGZG4559ESIYLD31  |
| BGC DERIVATIVE MARKETS, L.P.   | C/O THE CORPORATION TRUST COMPANY, CORPORATION TRUST CENTER 1209 ORANGE ST, 19801, WILMINGTON, US   United States of America | 549300RKB6B4M8CD2W04  |
| BLOOMBERG SEF LLC  | 731 LEXINGTON AVENUE, NEW YORK , UNITED STATES, 10022  | 5493003IUYOH354SNS58  |
| BLOOMBERG TRADEBOOK CANADA COMPANY                                   | BROOKFIELD PLACE,TD CANADA TRUST TOWER 1, TORONTO, CANADA, M5J 2S1   | 254900N3K8DHWXXMF546  |
| BLOOMBERG TRADEBOOK LLC  | 731 LEXINGTON AVE, New York, UNITED STATES, 100221331  | 549300P0PVQNO437K36   |
| BLOOMBERG TRADEBOOK SINGAPORE PTE LTD                                | 23 Church Street, SINGAPORE, SINGAPORE, 49481  | 254900HSS82AHMTPAD95  |
| BLOOMBERG TRADING FACILITY B.V.                                      | Stadhouderskade 14, Amsterdam, NETHERLANDS, 1054 ES  | 254900QBKK4WBSO3GE51  |
| BLOOMBERG TRADING FACILITY LIMITED                                   | 3 Queen Victoria Street, LONDON, UNITED KINGDOM, EC4N 4TQ  | 549300ROEJDDAXM6LU05  |
| BOLSAS Y MERCADOS ESPAÑOLÉS RENTA FIJA SA.                           | PLAZA LEALTAD 1, MADRID, SPAIN, 28014  | 95980096HCVD0TYCR12   |
| BORSE BERLIN AG  | Fasanenstr. 85, Berlin, GERMANY, 10623   | 391200I7OS301UELZA68  |
| BROKERTEC EUROPE LIMITED   | LONDON FRUIT AND WOOL EXCHANGE, 1 DUVAL SQUARE, E1 6PW, London   | 2138002GI1GKI3V4UG48  |
| CBOE EUROPE LIMITED  | The Monument Building, LONDON, UNITED KINGDOM, EC3R 8AF  | 254900ERRPSKE7UZH711  |
| CBOE TRADING, INC.   | 5th Floor, the Monument Building, London, EC3R8AF  |                       |
| DEUTSCHE BORSE AG  | Mergenthalerallee 61, Eschborn, GERMANY, 65760   | 529900G3SW56SHYNPR95  |
| DIGITAL VEGA FX LTD  | 9Th Floor, LONDON, UNITED KINGDOM, EC2V 6DN  | 213800GQ81SBZ7SCHZ94  |
| EBS SERVICE COMPANY LIMITED  | LAVATERSTRASSE 40, 8002, ZURICH, CH-ZH, CH   Switzerland, Swiss Confederation  | 213800Y1KZLBMHGMTJ05  |
| EUROMTS LTD  | 7TH FLOOR, 110 CANNON STREET, LONDON, EC4N 6EU, GB   | 213800OANOWGT2KW8O63  |
| EURONEXT AMSTERDAM N.V.  | Beursplein 5, Amsterdam, NETHERLANDS, 1012 JW  | 724500V6UOK62XEZ2L78  |
| EURONEXT BRUSSELS SA   | Rue du Marquis 1, Internal Postal Box 1, Bruxelles, BELGIUM, 1000  | 5493007YLUF2KAS0TM17  |
| EURONEXT LISBON - SOCIEDADE GESTORA DE MERCADOS REGULAMENTADOS, S.A. | AVENIDA DA LIBERDADE, 196 7º, LISBOA, PORTUGAL, 1250-147   | 529900K0OK4J5I7A5V66  |
| EURONEXT PARIS SA  | PARIBOURSE SBF SOC BOURSES FRANCAISES, COURBEVOIE, FRANCE, 92400   | 969500HMSVZ0TCV65D58  |
| GLMX TECHNOLOGIES LLC  | 330 7th Ave FL 17, New York, UNITED STATES, 100015246  | 254900ASG2SHGJG66W93  |
| HUDSON RIVER TRADING EUROPE LTD.                                     | 2nd Floor, 12 Steward Street, E1 6FQ, London, United Kingdom   | 213800QDJQNB4546YV16  |
| INTERCONTINENTAL EXCHANGE, INC.                                      | 5660 New Northside Dr 3, Atlanta, UNITED STATES, 303285800   | 5493000F4Z033MV32P92  |
| ISWAP Euro B.V.  | Vijzelstraat 68 Unit 109, Amsterdam, 1017 HL, Netherlands  | 213800ZGMHGG92WVXF836 |
| LMAX LTD   | Monsoon Building, LONDON, UNITED KINGDOM, W11 4AN  | 21380034TU2TI8CNZ578  |
| LONDON STOCK EXCHANGE GROUP PLC                                      | 10 PATERNOSTER SQUARE, EC4M 7LS,LONDON, GB   United Kingdom  | 213800QAUUUP6I445N30  |
| LONDON STOCK EXCHANGE PLC  | The London Stock Exchange, LONDON, UNITED KINGDOM, EC4M 7LS  | 213800D1EI4B9WTWWD28  |
| MARKETAXESS NL B.V.  | Herengracht 280, Amsterdam, NETHERLANDS, 1016 BX   | 5299000UUYW66L5LT560  |
| MARKETAXESS SINGAPORE PTE. LIMITED                                   | 10 Collyer Quay, SINGAPORE, SINGAPORE, 49315   | 529900GFVFMKAFKMT075  |
| MTS SPA  | VIA TOMACELLI 146, 00186, ROME, Italy  | 213800ZMKPUV1VKLCT69  |
| OTCX TRADING LIMITED   | Albert Buildings, LONDON, UNITED KINGDOM, EC4N 4SA   | (blank)               |
| SIX SWISS EXCHANGE AG  | Hardturmstrasse 201, ZÜRICH, SWITZERLAND, 8005   | 529900HQ12A6FGDMWA17  |
| TFS SA   | Rue de Langallerie 11, Compagnie Financiere Tradition SA, 1003, Lausanne, Switzerland  | 506700XNPBE4M72EJU82  |
| THE LONDON METAL EXCHANGE  | 10 Finsbury Square, LONDON, UNITED KINGDOM, EC2A 1AJ   | 213800NB8G5VRT1DXC91  |
| THE TEL-AVIV STOCK EXCHANGE LTD                                      | 2 AhuzaBayit, Tel Aviv - Jaffa, 6525216, Israel  |                       |
| TRADEWEB GLOBAL LLC  | 1177 Ave of The Americas, New York, UNITED STATES, 100362714   | 5493009DYKOCXWBRCS24  |

|                                       |  |                      |
|---------------------------------------|--|----------------------|
| TRADEWEB MARKETS LLC                  | 2200 PLAZA FIVE, Jersey City, UNITED STATES, 73114006                          | 5493000G5QHJUY9ZWQ91 |
| TRAYPORT LTD                          | 7Th Floor, LONDON, UNITED KINGDOM, EC2A 2AP                                    | 213800PICGAHUDMI1Z46 |
| TSAF OTC S.A.                         | 9 PL VENDOME, 75001, PARIS 1, FR   France, French Republic                     | 969500V058ZSY03FNX80 |
| TURQUOISE GLOBAL HOLDINGS EUROPE B.V. | NIEUWEZIJDEN VOORBURG WAL 162, SUITE 108, 1012 SJ, AMSTERDAM, NL   Netherlands | 213800ZA8TWTNVG43376 |
| TURQUOISE GLOBAL HOLDINGS LTD         | The London Stock Exchange, LONDON, UNITED KINGDOM, EC4M 7LS                    | 2138006SKBMJJUE2HV03 |
| VIRTU ITG EUROPE LIMITED              | Whitaker Court, Whitaker Square, Sir John Rogerson's Quay, DUBLIN 2, D02 W529  | 213800EEC95PRUCEUP63 |
| WARSAW STOCK EXCHANGE                 | Ksiazeca 4, Warsaw, POLAND, 00-498   | 25940039ZHD3Z37GKR71 |
| WEMATCH.LIVE R&D LTD                  | 121 Begin Menachem Rd, TEL AVIV-JAFFA, ISRAEL, 6701203                         | 894500EG497MGE7BSI77 |
| YELDBROKER PTY LIMITED                | L 6 14 MARTIN PLACE, SYDNEY, AUSTRALIA, 2000                                   | 549300QRJM24CLE17N18 |

**Merrill Lynch International - Response to Question 13B of Form SBSE-A with respect to arrangements with others who Custody, Clear, or Settle**

| Entity Name   | External LEI         | Full Address of Third Party  | Location        | Category     | Sub category            | Product       |
|---|----------------------|--|-----------------|--------------|-------------------------|---------------|
| THE BANK OF NEW YORK MELLON                               | HPFHU00Q28E4N0NFVK49 | 240 Green Street, New York, NY 10286   | UNITED STATES   | Partner Bank | Securities Partner Bank | Sub Custodian |
| STATE STREET CORPORATION                                  | 549300ZFEEJ2IP5VME73 | State Street Financial Center 1<br>Lincoln Street Boston MA 02111  | UNITED STATES   | Partner Bank | Securities Partner Bank | Sub Custodian |
| BNP Paribas S.A. Niederlassung Deutschland                | ROMUWSFPU8MPRO8K5P83 | Senckenberganlage 19, 60325 Frankfurt am Main, Germany   | AUSTRIA         | Partner Bank | Securities Partner Bank | Sub Custodian |
| BNP PARIBAS SA  | ROMUWSFPU8MPRO8K5P83 | Les Grands Moulin de Pantin, 9 Rue du Debarcadere 93500 Pantin, France   | FRANCE/Portugal | Partner Bank | Securities Partner Bank | Sub Custodian |
| BNP Paribas S.A. Niederlassung Deutschland                | ROMUWSFPU8MPRO8K5P83 | Senckenberganlage 19, 60325 Frankfurt am Main, Germany   | GERMANY         | Partner Bank | Securities Partner Bank | Sub Custodian |
| BNP Paribas S.A., Succursale Italia                       | ROMUWSFPU8MPRO8K5P83 | Piazza Lina Bo Bardi 3, 20124 Milano, Italy<br>20124 Milano  | ITALY           | Partner Bank | Securities Partner Bank | Sub Custodian |
| BNP PARIBAS Australia Branch                              | ROMUWSFPU8MPRO8K5P83 | Level 4, 60 Castlereagh Street, Sydney, NSW, 2000, Australia   | NEW ZEALAND     | Partner Bank | Securities Partner Bank | Sub Custodian |
| BNP PARIBAS SA SUCURSAL EN ESPANA                         | ROMUWSFPU8MPRO8K5P83 | Calle de Emilio Vargas 4, 28043 Madrid, Spain  | SPAIN           | Partner Bank | Securities Partner Bank | Sub Custodian |
| BNP PARIBAS, Paris, Zurich Branch                         | ROMUWSFPU8MPRO8K5P83 | Selnaustrasse 16, PO Box, 8022 Zurich, Switzerland   | SWITZERLAND     | Partner Bank | Securities Partner Bank | Sub Custodian |
| The Branch of CITIBANK, N.A. in the Republic of Argentina | 579100KKDGKCFKKF005  | Bartolomé Mitre 530 –3rd floor, Buenos Aires, C1036AAJ, Argentina  | ARGENTINA       | Partner Bank | Securities Partner Bank | Sub Custodian |
| Citibank, N.A. Brazilian Branch                           | E570DZWZ7FF32TWEFA76 | Av. Paulista 1.111, 12º andar, CEP: 01311-920 São Paulo SP   | BRAZIL          | Partner Bank | Securities Partner Bank | Sub Custodian |
| N A Citibank  | 8B4EFY8IHJC44TT2K84  | Estado 260, Level 2, Santiago, Chile 8320204   | CHILE           | Partner Bank | Securities Partner Bank | Sub Custodian |
| CITIBANK, N.A. (HONG KONG BRANCH)                         | E570DZWZ7FF32TWEFA76 | Citi HK address: 50/F, Champion Tower, Three Garden Road, Central, Hong Kong<br><br>Citi China address: 35/F, Citigroup Tower, No.33 Hua Yuan Shi Qiao Road, Lu Jia Zui Finance and Trade Zone, Shanghai, 200120, P.R. China | CHINA           | Partner Bank | Securities Partner Bank | Sub Custodian |
| CITITRUST COLOMBIA S A SOCIEDAD FIDUCIARIA                | 549300242J3IJCOSGI49 | Carrera 9A, No. 99-02, Bogota, Colombia  | COLOMBIA        | Partner Bank | Securities Partner Bank | Sub Custodian |
| CITIBANK EUROPE PLC, GREECE BRANCH                        | N1FBEDJ5J41VKZLO2475 | 8 Othonos street, 10557 Athens, Greece   | GREECE / CYPRUS | Partner Bank | Securities Partner Bank | Sub Custodian |

|                                   |                      |  |                       |                 |                            |               |
|-----------------------------------|----------------------|--|-----------------------|-----------------|----------------------------|---------------|
| CITIBANK N.A. EGYPT               | E570DZWZ7FF32TWEFA76 | Level 3, 46, Al Salam Axis Street,<br>First Sector at the Fifth Settlement,<br>New Cairo – Cairo, Egypt  | EGYPT                 | Partner<br>Bank | Securities<br>Partner Bank | Sub Custodian |
| CITIBANK, N.A. (HONG KONG BRANCH) | E570DZWZ7FF32TWEFA76 | 50/F Citibank Tower, Citibank<br>Plaza, 3 Garden Road, Central,<br>Hong Kong   | HONG KONG             | Partner<br>Bank | Securities<br>Partner Bank | Sub Custodian |
| CITIBANK N.A. (MUMBAI BRANCH)     | E570DZWZ7FF32TWEFA76 | Citibank N.A. FIFC, C-54 & 55, G<br>Block, Bandra Kura Complex,<br>Bandra East, Mumbai - 400051  | INDIA                 | Partner<br>Bank | Securities<br>Partner Bank | Sub Custodian |
| CITIBANK N.A. ISRAEL BRANCH       | E570DZWZ7FF32TWEFA76 | Ha'arba'a 21 Tel Aviv  | ISRAEL                | Partner<br>Bank | Securities<br>Partner Bank | Sub Custodian |
| CITIBANK BERHAD                   | E570DZWZ7FF32TWEFA76 | Level 43, Securities Services,<br>Menara Citibank, 165 Jalan<br>Ampang, 50450 Kuala Lumpur,<br>Malaysia  | MALAYSIA              | Partner<br>Bank | Securities<br>Partner Bank | Sub Custodian |
| BANCO NACIONAL DE MEXICO, S.A.    | 2SFFM4FUIE05S37WFU55 | Actuario Roberto Medellin. 800<br>Colonia Santa Fe Mexico D.F 01219  | MEXICO                | Partner<br>Bank | Securities<br>Partner Bank | Sub Custodian |
| CITIBANK N.A., PAKISTAN           | E570DZWZ7FF32TWEFA76 | Army Welfare Trust (AWT) Plaza,<br>I.I.Chundrigar Road, Karachi,<br>Pakistan- 74200  | PAKISTAN              | Partner<br>Bank | Securities<br>Partner Bank | Sub Custodian |
| CITIBANK DEL PERU S.A.            | MYTK5NHHP1G8TVFGT193 | Canaval y Moreyra 480, Piso 3, San<br>Isidro, Lima 27, Peru  | PERU                  | Partner<br>Bank | Securities<br>Partner Bank | Sub Custodian |
| CITIBANK NA (PHILIPPINES BRANCH)  | E570DZWZ7FF32TWEFA76 | Citibank N.A. Philippine Branch<br>16th Floor, Citibank Plaza, 34th St.,,<br>Bonifacio Global City, Taguig City,<br>Metro Manila ,Philippines 1634 | PHILIPPINES           | Partner<br>Bank | Securities<br>Partner Bank | Sub Custodian |
| AO Citibank                       | CHSQDSVI1UI96Y2SW097 | 8-10, bld.1, Gasheka street,<br>Moscow, 125047, Russia   | RUSSIAN<br>FEDERATION | Partner<br>Bank | Securities<br>Partner Bank | Sub Custodian |
| CITIBANK SINGAPORE LIMITED        | 549300BSM2K5JOIUQ068 | 8 Marina View, #16-00 Asia Square<br>Tower 1, Singapore 018960   | SINGAPORE             | Partner<br>Bank | Securities<br>Partner Bank | Sub Custodian |
| CITIBANK KOREA INC.               | 745P3MMS7E8CUVXDRJ82 | 50, Saemunan-ro, Jongno-gu,<br>Seoul, 03184, Korea   | SOUTH KOREA           | Partner<br>Bank | Securities<br>Partner Bank | Sub Custodian |
| CITIBANK, N.A. (BANGKOK BRANCH)   | E570DZWZ7FF32TWEFA76 | 18th Floor, 399 Interchange 21<br>Building, Sukhumvit Road,<br>Klongtoey Nua, Wattana District,<br>Bangkok 10110, THAILAND                         | THAILAND              | Partner<br>Bank | Securities<br>Partner Bank | Sub Custodian |
| CITIBANK ANONIM SIRKETI           | CWZ8NZDH5SKY12Q4US31 | Tekfen Tower, Eski Buyukdere<br>Caddesi 209 Kat 2, Postal Code<br>34394 Levent, Istanbul - Turkey  | TURKEY                | Partner<br>Bank | Securities<br>Partner Bank | Sub Custodian |
| JOINT STOCK COMPANY "CITIBANK"    | 549300E0ROTI7ACBZH02 | Bud.16-g, Dilova Str, 03150, Kyiv,<br>Ukraine  | UKRAINE               | Partner<br>Bank | Securities<br>Partner Bank | Sub Custodian |
| CITIBANK N.A. LONDON BRANCH       | G2M96IXONJEAONT6B40  | Citigroup Centre, Canary Wharf,<br>London, E14 5LB   | UNITED<br>KINGDOM     | Partner<br>Bank | Securities<br>Partner Bank | Sub Custodian |
| N A CITIBANK                      | E570DZWZ7FF32TWEFA76 | 388 Greenwich Street New York NY<br>10013  | UNITED STATES         | Partner<br>Bank | Securities<br>Partner Bank | Sub Custodian |

|  |                      |  |                |              |                         |   |
|--|----------------------|--|----------------|--------------|-------------------------|---|
| HSBC BANK (CHINA) COMPANY LIMITED  | 300300C1050131000118 | 33rd Floor, HSBC Building, Shanghai ifc, 8 Century Avenue, Pudong, Shanghai, China (200120)  | CHINA          | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| HSBC BANK MIDDLE EAST LIMITED, KUWAIT BRANCH                             | 549300F99IL9YJDWH369 | Qibla Area, Hamad Al-Saqr St., Kharafi Tower, G/1/2 Floors, P.O Box 1683, Safat 13017 Kuwait   | KUWAIT         | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| HSBC BANK MIDDLE EAST LIMITED, QATAR BRANCH                              | 549300F99IL9YJDWH369 | Securities Services Department (HSS Dept), 2nd Floor, Ali Bin Ali Tower Building no: 150, Al Matar Street (Airport Road), P.O.Box 57. Street no. 950, Ummghuwalina Area, Doha, Qatar | QATAR          | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| HSBC SAUDI ARABIA  | 2138009S6SHV5GLS7987 | HSBC Head Office, 2nd Floor, 7267 Olaya, Al Murooj, Riyadh 12283-2255, Kingdom of Saudi Arabia   | SAUDI ARABIA   | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| THE HONGKONG AND SHANGHAI BANKING CORPORATION LIMITED (SRI LANKA BRANCH) | 2HI3YI5320L3RW6NJ957 | No 24, Sir Baron Jayatilaka Mawatha, Colombo 1, Sri Lanka  | SRI LANKA      | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| HSBC BANK (TAIWAN) LIMITED   | 549300SG184IVNYDMN03 | 13F, No. 333 Keelung Road, Sec. 1, Xinyi District, Taipei 110, Taiwan  | TAIWAN         | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| HSBC BANK PLC  | MP615ZYZBEU3UXPYFY54 | Global Liquidity and Cash Management – GLCM Level 27, 8 Canada Square, Canary Wharf, London, E14 5HQ   | UNITED KINGDOM | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| HSBC BANK (VIETNAM) LIMITED  | 213800H95OG9OHR4Y78  | The Metropolitan, Floor 2, 235 Dong Khoi Street, District 1, Ho Chi Minh city, Vietnam   | VIETNAM        | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| CLEARSTREAM INTERNATIONAL SA   | 549300OL514RA0SXJJ44 | 11 Westferry Circus, Canary Wharf, London, E14 4HE, United Kingdom   | LUXEMBOURG     | Partner Bank | Securities Partner Bank | International Central Securities Depository |
| SOCIETE GENERALE MAROCAINE DE BANQUES SA                                 | 549300WHIMVBNIDQWK21 | 55, Boulevard Abdelmoumen, Casablanca, 20100, Morocco  | MOROCCO        | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| UNION INTERNATIONAL DE BANQUES SA  | 549300WKCW12LEPUMV07 | Union Internationale de Banques 65 Av Habib Bourguiba 1000 Tunis - Tunisia   | TUNISIA        | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| ZAGREBACKA BANKA D.D.  | PRNXTNXHBI0TSY1V8P17 | Savska 62, 10000 Zagreb  | CROATIA        | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| UNICREDIT BANK CZECH REPUBLIC AND SLOVAKIA, A.S.                         | KR6LSKV3BTSJRD41IF75 | Želetavská 1525/1, 140 92 Praha 4 - Michle, Czech Republic   | CZECH REPUBLIC | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| UNICREDIT BANK HUNGARY ZRT.  | Y28RT6GGYJ696PMW8T44 | Szabadság tér 5-6. HU-1054 Budapest  | HUNGARY        | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| UNICREDIT BANK S.A.  | 5493003BDYD5VPGUQS04 | 1F Expozitiei Blvd. RO-012101, Bucharest 1, Romania  | ROMANIA        | Partner Bank | Securities Partner Bank | Sub Custodian                               |

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| UNICREDIT BANK SRBIJA A.D.  | 52990001O0THU00TYK59 | Jurija Gagarina 12, Belgrade Business Center<br>11070 Novi Beograd, Srbija  | SERBIA               | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| UniCredit Bank Czech Republic and Slovakia, a.s., Pobočka Zahraničnej Banky | KR6LSKV3BTSJRD41IF75 | Šancová 1/A<br>813 33 Bratislava  | SLOVAK REPUBLIC      | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| UNICREDIT BANKA SLOVENIJA d.d.  | 549300O2UN9JLME31F08 | Šmartinska 140<br>SI-1000 Ljubljana, Slovenija/Slovenia   | SLOVENIA             | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| EUROCLEAR BANK SA   | 549300OZ46BRLZ8Y6F65 | 1 Boulevard du Roi Albert II, B – 1210 Brussels, Belgium  | BELGIUM              | Partner Bank | Securities Partner Bank | International Central Securities Depository |
| ITAU UNIBANCO S/A.  | 549300C1N8WOCC1VR551 | Alfredo Egydio de Souza Aranha 100, Sao Paulo, SP 0434-4902   | BRAZIL               | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| ITAU DISTRIBUIDORA DE TITULOS E VALORES MOBILIARIOS S.A.                    | BZO2P8KHO2O10H5QQ663 | Avenida Brigadeiro Faria Lima, 3500, 3 Andar Parte, Sao Paulo, SP, 0453-8132  | BRAZIL               | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| STANDARD CHARTERED BANK, BAHRAIN BRANCH                                     | RILFO74KP1CM8P6PCT96 | Manama Main Branch, Building no.180, Government Avenue, Manama 315. Kingdon of Bahrain  | BAHRAIN              | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| STANDARD CHARTERED BANK, BANGLADESH BRANCH                                  | RILFO74KP1CM8P6PCT96 | 67 Gulshan Avenue, Dhaka, Bangladesh  | BANGLADESH           | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| STANDARD CHARTERED BANK (INDONESIA BRANCH)                                  | RILFO74KP1CM8P6PCT96 | World Trade Center II, 3rd Floor Jl.Jend. Sudirman Kav.29-31 Jakarta 12920  | INDONESIA            | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| STANDARD CHARTERED BANK, JORDAN BRANCH                                      | RILFO74KP1CM8P6PCT96 | Standard Chartered Bank, Shemissani Main Building, Al Thakafa Street, Amman - 111910, Jordan                                  | JORDAN               | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| STANDARD CHARTERED BANK KENYA LTD   | 549300RBHWW5EJIRG629 | Standard Chartered Bank Kenya Limited, Standard Chartered@Chiromo, 48 Westlands Road, P. O. Box 30003 - 00100, Nairobi, Kenya | KENYA                | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| STANDARD CHARTERED BANK (MAURITIUS) LIMITED                                 | 549300R0Q58QYRNZLS10 | Standard Chartered Bank (Mauritius) Limited Standard Chartered Tower 19th Bank Street, Cybercity 72201 Ebene, Mauritius       | MAURITIUS            | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| STANDARD CHARTERED BANK, OMAN BRANCH  | RILFO74KP1CM8P6PCT96 | Standard Chartered Bank, Bait Al Falaj Street, Ruwi, Sultanate of Oman  | OMAN                 | Partner Bank | Securities Partner Bank | Sub Custodian                               |
| STANDARD CHARTERED BANK, UAE BRANCH   | RILFO74KP1CM8P6PCT96 | Standard Chartered Bank, Building 1, DIFC, 4th Floor, PO Box 999, Dubari, UAE   | UNITED ARAB EMIRATES | Partner Bank | Securities Partner Bank | Sub Custodian                               |

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| STANDARD CHARTERED BANK, DIFC BRANCH     | RILFO74KP1CM8P6PCT96 | Standard Chartered Bank, Building 1, DIFC, 4th Floor, PO Box 999, Dubari, UAE                   | UNITED ARAB EMIRATES | Partner Bank             | Securities Partner Bank    | Sub Custodian |
| KBC Bank Bulgaria EAD                    | 5299009KAL4KO7584196 | 55 Nikola Vaptsarov Blvd., Expo 2000, Phase III, 4 floor, 1407 Sofia, Bulgaria                  | BULGARIA             | Partner Bank             | Securities Partner Bank    | Sub Custodian |
| AO RAIFFEISENBANK                        | 2534006HF1L4YF10UD91 | Joint stock company Raiffeisenbank 17, Troitskaya str., bld. 1 Moscow 129090 Russia             | Kazakhstan           | Partner Bank             | Securities Partner Bank    | Sub Custodian |
| STANBIC IBTC BANK PLC                    | 029200098C3K8BI2D551 | Stanbic I.B.T.C Bank PLC I.B.T.C Place Walter Carrington Crescent Victoria Island Lagos Nigeria | NIGERIA              | Partner Bank             | Securities Partner Bank    | Sub Custodian |
| THE STANDARD BANK OF SOUTH AFRICA LTD    | QFC8ZCW3Q5PRXU1XTM60 | Investor Services, 3rd Floor, 25 Pixley Ka Isaka Seme Street, Johannesburg, 2001                | SOUTH AFRICA         | Partner Bank             | Securities Partner Bank    | Sub Custodian |
| BANK POLSKA KASA OPIEKI SA               | 5493000LKS7B3UTF7H35 | Żwirki i Wigury 31, 02-091 Warsaw, Poland   | POLAND               | Partner Bank             | Securities Partner Bank    | Sub Custodian |
| Skandinaviska Enskilda Banken AB (publ)  | F3JS33DEI6XQ4ZBPTN86 | Kungsträdgårdsgatan 8, SE-106 40 STOCKHOLM, SWEDEN  | FINLAND              | Partner Bank             | Securities Partner Bank    | Sub Custodian |
| Skandinaviska Enskilda Banken AB (publ)  | F3JS33DEI6XQ4ZBPTN86 | Kungsträdgårdsgatan 8, SE-106 40 STOCKHOLM, SWEDEN  | Denmark              | Partner Bank             | Securities Partner Bank    | Sub Custodian |
| Skandinaviska Enskilda Banken AB (publ)  | F3JS33DEI6XQ4ZBPTN86 | Kungsträdgårdsgatan 8, SE-106 40 STOCKHOLM, SWEDEN  | Norway               | Partner Bank             | Securities Partner Bank    | Sub Custodian |
| SKANDINAVISKA ENSKILDA BANKEN AB         | 549300ND1MQ8SNNYMJ22 | 2 Tornimäe Street, Tallinn 15010, Estonia;  | Estonia              | Partner Bank             | Securities Partner Bank    | Sub Custodian |
| ICE CLEAR CREDIT LLC                     | T33OE4AS4QXS2TT7X50  | 353 North Clark Street, Chicago, 60654, US  | UNITED STATES        | Financial Market Utility | Central Counterparty (CCP) | CDS           |
| ICE CLEAR EUROPE LTD                     | 5R6J7JCQRIPQR1EEP713 | MILTON GATE, 60 CHISWELL STREET, London EC1Y 4SA, GB  | UNITED KINGDOM       | Financial Market Utility | Central Counterparty (CCP) | Listed        |
| ICE CLEAR EUROPE LTD                     | 5R6J7JCQRIPQR1EEP713 | MILTON GATE, 60 CHISWELL STREET, London EC1Y 4SA, GB  | UNITED KINGDOM       | Financial Market Utility | Central Counterparty (CCP) | CDS           |
| BANQUE CENTRALE DE COMPENSATION (LCH SA) | R1IO4YJ0O79SMWVCHB58 | 18 RUE DU 4 SEPTEMBRE, 75002, Paris, FR-75, France  | FRANCE               | Financial Market Utility | Central Counterparty (CCP) | CDS Clear     |
| BANQUE CENTRALE DE COMPENSATION (LCH SA) | R1IO4YJ0O79SMWVCHB58 | 18 RUE DU 4 SEPTEMBRE, 75002, Paris, FR-75, France  | FRANCE               | Financial Market Utility | Central Counterparty (CCP) | Fixed Income  |



|   |                      |  |                   |                                |                                  |   |
|---|----------------------|--|-------------------|--------------------------------|----------------------------------|---|
| BANQUE CENTRALE DE<br>COMPENSATION (LCH SA) | R1IO4YJ0079SMWVCHB58 | 18 RUE DU 4 SEPTEMBRE,<br>75002, Paris, FR-75, France  | FRANCE            | Financial<br>Market<br>Utility | Central<br>Counterparty<br>(CCP) | Cash Equity<br>and<br>Derivatives           |
| CASSA DI COMPENSAZIONE E<br>GARANZIA SPA    | 8156006407E264D2C725 | VIA TOMACELLI, 146, 00186,<br>Roma, Italy  | ITALY             | Financial<br>Market<br>Utility | Central<br>Counterparty<br>(CCP) | Cash Equity<br>and<br>Derivatives           |
| LCH LIMITED                                 | F226TOH6YD6XJB17KS62 | Aldgate House,<br>33 Aldgate High Street,<br>EC3N 1EA<br>London                                      | UNITED<br>KINGDOM | Financial<br>Market<br>Utility | Central<br>Counterparty<br>(CCP) | SwapClear<br>(SCM)                          |
| LCH LIMITED                                 | F226TOH6YD6XJB17KS62 | Aldgate House,<br>33 Aldgate High Street,<br>EC3N 1EA<br>London                                      | UNITED<br>KINGDOM | Financial<br>Market<br>Utility | Central<br>Counterparty<br>(CCP) | RepoClear<br>(SCM)                          |
| LCH LIMITED                                 | F226TOH6YD6XJB17KS62 | Aldgate House,<br>33 Aldgate High Street,<br>EC3N 1EA<br>London                                      | UNITED<br>KINGDOM | Financial<br>Market<br>Utility | Central<br>Counterparty<br>(CCP) | EquityClear<br>(SCM)                        |
| LCH LIMITED                                 | F226TOH6YD6XJB17KS62 | Aldgate House,<br>33 Aldgate High Street,<br>EC3N 1EA<br>London                                      | UNITED<br>KINGDOM | Financial<br>Market<br>Utility | Central<br>Counterparty<br>(CCP) | Listed Interest<br>Rates (SCM)              |
| LCH LIMITED                                 | F226TOH6YD6XJB17KS62 | Aldgate House,<br>33 Aldgate High Street,<br>EC3N 1EA<br>London                                      | UNITED<br>KINGDOM | Financial<br>Market<br>Utility | Central<br>Counterparty<br>(CCP) | ForexClear<br>(SCM)                         |
| EUREX CLEARING AG                           | 529900LN3S50JPU47S06 | Mergenthalerallee 61<br>65760<br>Eschborn, DE-HE<br>Germany  | GERMANY           | Financial<br>Market<br>Utility | Central<br>Counterparty<br>(CCP) | OTC IRS                                     |
| EUREX CLEARING AG                           | 529900LN3S50JPU47S06 | Mergenthalerallee 61<br>65760<br>Eschborn, DE-HE<br>Germany  | GERMANY           | Financial<br>Market<br>Utility | Central<br>Counterparty<br>(CCP) | Transactions<br>at Eurex<br>Deutschland     |
| EUREX CLEARING AG                           | 529900LN3S50JPU47S06 | Mergenthalerallee 61<br>65760<br>Eschborn, DE-HE<br>Germany  | GERMANY           | Financial<br>Market<br>Utility | Central<br>Counterparty<br>(CCP) | Frankfurt<br>Stock<br>Exchanges<br>Equities |
| LME CLEAR LTD                               | 213800L8AQD59D3JRW81 | 10 FINSBURY SQUARE, EC2A 1AJ,<br>London, UK  | UNITED<br>KINGDOM | Financial<br>Market<br>Utility | Central<br>Counterparty<br>(CCP) | Metals and<br>Metal Options                 |
| KOREA SECURITIES DEPOSITORY                 | 9884008RRMX1X5HV6625 | 40, Munhyeongeumyung-ro, Nam-<br>gu, Busan<br>50F, BIFC<br>48400<br>Busan Metropolitan City<br>KR-26 | SOUTH KOREA       | Financial<br>Market<br>Utility | Central<br>Counterparty<br>(CCP) | Cash Equity<br>and Fixed<br>Income          |

|   |                      |   |                |                          |                                     |                    |
|---|----------------------|---|----------------|--------------------------|-------------------------------------|--------------------|
| EUROPEAN CENTRAL COUNTERPARTY N.V.      | 724500937F740MHCX307 | Strawinskylaan 1847, Tower I, Level 3, 1077XX, Amsterdam, NL, Netherlands             | NETHERLANDS    | Financial Market Utility | Central Counterparty (CCP)          | Equity             |
| CLEARSTREAM BANKING AG                  | 549300298FD7AS4PPU70 | Mergenthalerallee 61, 65760, Eschborn, Germany  | GERMANY        | Financial Market Utility | Central Securities Depository (CSD) | Securities         |
| EUROCLEAR FRANCE                        | 54930060MY6S68NEUP16 | Euroclear France: 66 rue de la Victoire, 75009 PARIS                                  | France         | Financial Market Utility | Central Securities Depository (CSD) | Securities         |
| EUROCLEAR UK & IRELAND LTD              | 549300M5MYAD51WHJD55 | Euroclear UK & International Ltd, 33 Cannon Street, London EC4M 5SB, United Kingdom   | UNITED KINGDOM | Financial Market Utility | Central Securities Depository (CSD) | Securities - CREST |
| Skandinaviska Enskilda Banken AB (publ) | F3JS33DEI6XQ4ZBPTN86 | Kungsträdgårdsgatan 8, SE-106 40 STOCKHOLM, SWEDEN                                    | Sweden         | Partner Bank             | Securities Partner Bank             | Sub Custodian      |
| STANDARD CHARTERED BANK GHANA PLC       | 549300WFGKTC3MGDCX95 | PO Box 768, Standard Chartered Bank Building, no.87 Independence Avenue, Accra, Ghana | Ghana          | Partner Bank             | Securities Partner Bank             | Sub Custodian      |
| CITIBANK KAZAKHSTAN                     | 95XXGORQK31JZP82OG22 | ул.Зенкова, дом 26/41, 050020, Almaty, Kazakhstan                                     | KAZAKHSTAN     | Partner Bank             | Securities Partner Bank             | Sub Custodian      |
| Islandsbanki HF.                        | 549300PZMFIQR79Q0T97 | Hagasmára 3, 201, Kópavogur, IS-1, Iceland  | ICELAND        | Partner Bank             | Securities Partner Bank             | Sub Custodian      |