

| MARKET | SUBCUSTODIAN | CASH CORRESPONDENT BANK |
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| ARGENTINA | HSBC Bank Argentina S.A. Avenida Martin Garcia 464, 5th Floor C1268ABN Buenos Aires ARGENTINA | HSBC Bank Argentina S.A. Buenos Aires |
| AUSTRALIA | JPMorgan Chase Bank, N.A.** Level 19, 55 Collins Street Melbourne 3000 AUSTRALIA | Australia and New Zealand Banking Group Ltd. Melbourne |
| AUSTRIA | UniCredit Bank Austria AG Julius Tandler Platz - 3 A-1090 Vienna AUSTRIA | J.P. Morgan AG** Frankfurt am Main |
| BAHRAIN | HSBC Bank Middle East Limited 1st Floor, Building No 2505, Road No 2832 Al Seef 428 BAHRAIN | HSBC Bank Middle East Limited Al Seef |
| BANGLADESH | Standard Chartered Bank Portlink Tower Level-6, 67 Gulshan Avenue Gulshan Dhaka -1212 BANGLADESH | Standard Chartered Bank Dhaka |
| BELGIUM | BNP Paribas Securities Services S.C.A. Central Plaza Building Rue de Loos, 25 7th Floor 1000 Brussels BELGIUM | J.P. Morgan A.G.** Frankfurt am Main |
| BERMUDA | HSBC Bank Bermuda Limited 6 Front Street Hamilton HM 11 BERMUDA | HSBC Bank Bermuda Limited Hamilton |
| BOTSWANA | Standard Chartered Bank Botswana Limited 5th Floor, Standard House P.O. Box 496 Queens Road, The Mall Gaborone BOTSWANA | Standard Chartered Bank Botswana Limited Gaborone |
| BRAZIL | J.P. Morgan S.A. DTVM** Av. Brigadeiro Faria Lima, 3729, Floor 06 Sao Paulo SP 04538-905 BRAZIL | J.P. Morgan S.A. DTVM** Sao Paulo |
| BULGARIA | Citibank Europe plc Serdika Offices 10th Floor 48 Sitnyakovo Blvd Sofia 1505 BULGARIA | ING Bank N.V. Sofia |

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|---|---|---|
| CANADA | Canadian Imperial Bank of Commerce Commerce Court West Security Level Toronto Ontario M5L 1G9 CANADA | Royal Bank of Canada Toronto |
| | Royal Bank of Canada 155 Wellington Street West, 2nd Floor Toronto Ontario M5V 3L3 CANADA | |
| CHILE | Banco Santander Chile Bandera 140, Piso 4 Santiago CHILE | Banco Santander Chile Santiago |
| CHINA A-SHARE | HSBC Bank (China) Company Limited 33/F, HSBC Building, Shanghai ifc 8 Century Avenue, Pudong Shanghai 200120 THE PEOPLE'S REPUBLIC OF CHINA | HSBC Bank (China) Company Limited Shanghai |
| CHINA B-SHARE | HSBC Bank (China) Company Limited 33/F, HSBC Building, Shanghai ifc 8 Century Avenue, Pudong Shanghai 200120 THE PEOPLE'S REPUBLIC OF CHINA | JPMorgan Chase Bank, N.A.** New York |
| | | JPMorgan Chase Bank, N.A.** Hong Kong |
| CHINA CONNECT | JPMorgan Chase Bank, N.A.** 48th Floor, One Island East 18 Westlands Road, Quarry Bay HONG KONG | JPMorgan Chase Bank, N.A.** Hong Kong |
| | | |
| COLOMBIA | Cititrust Colombia S.A. Carrera 9 A # 99-02, 3rd floor Bogota COLOMBIA | Cititrust Colombia S.A. Bogotá |
| COSTA RICA | Banco BCT, S.A. 150 Metros Norte de la Catedral Metropolitana Edificio BCT San Jose COSTA RICA | Banco BCT, S.A. San Jose |
| *TEMPORARY SUSPENSION. PLEASE CONTACT YOUR RELATIONSHIP MANAGER FOR FURTHER INFORMATION* | | |
| CROATIA | Privredna banka Zagreb d.d. Radnicka cesta 50 10000 Zagreb CROATIA | Zagrebacka banka d.d. Zagreb |
| CYPRUS | HSBC Bank plc 109-111, Messogian Ave. 115 26 Athens GREECE | J.P. Morgan AG** Frankfurt am Main |

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| CZECH REPUBLIC | UniCredit Bank Czech Republic and Slovakia, a.s. BB Centrum - FILADELFIE Zeletavska 1525-1 140 92 Prague 1 CZECH REPUBLIC | Ceskoslovenska obchodni banka, a.s. Prague |
| DENMARK | Nordea Bank Danmark A/S Christiansbro Strandgade 3 P.O. Box 850 DK-0900 Copenhagen DENMARK | Nordea Bank Danmark A/S Copenhagen |
| EGYPT | Citibank, N.A. 4 Ahmed Pasha Street Garden City Cairo EGYPT | Citibank, N.A. Cairo |
| ESTONIA | Swedbank AS Liivalaia 8 15040 Tallinn ESTONIA | J.P. Morgan AG** Frankfurt am Main |
| FINLAND | Nordea Bank Finland Plc Aleksis Kiven katu 3-5 FIN-00020 NORDEA Helsinki FINLAND | J.P. Morgan AG** Frankfurt am Main |
| FRANCE | BNP Paribas Securities Services S.C.A. Les Grands Moulins de Pantin 9, rue du Debarcadere 93500 Pantin FRANCE | J.P. Morgan AG** Frankfurt am Main |
| GERMANY | Deutsche Bank AG Alfred-Herrhausen-Allee 16-24 D-65760 Eschborn GERMANY J.P. Morgan AG#** Taunustor 1 (TaunusTurm) 60310 Frankfurt am Main GERMANY # Custodian for local German custody clients only. | J.P. Morgan AG** Frankfurt am Main |
| GHANA | Standard Chartered Bank Ghana Limited Accra High Street P.O. Box 768 Accra GHANA | Standard Chartered Bank Ghana Limited Accra |
| GREECE | HSBC Bank plc Messogion 109-111 11526 Athens GREECE | J.P. Morgan AG** Frankfurt am Main |

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| HONG KONG | JPMorgan Chase Bank, N.A.** 48th Floor, One Island East 18 Westlands Road, Quarry Bay HONG KONG | JPMorgan Chase Bank, N.A.** Hong Kong |
| HUNGARY | Deutsche Bank AG Hold utca 27 H-1054 Budapest HUNGARY | ING Bank N.V. Budapest |
| *ICELAND* | Islandsbanki hf. Kirkjusandur 2 IS-155 Reykjavik ICELAND | Islandsbanki hf. Reykjavik |
| *RESTRICTED SERVICE ONLY. PLEASE CONTACT YOUR RELATIONSHIP MANAGER FOR FURTHER INFORMATION* | | |
| INDIA | JPMorgan Chase Bank, N.A.** 6th Floor, Paradigm 'B' Wing MindSPACE, Malad (West) Mumbai 400 064 INDIA | JPMorgan Chase Bank, N.A.** Mumbai |
| INDONESIA | Deutsche Bank AG Deutsche Bank Building 80 Jl. Inman Bonjol Jakarta 10310 INDONESIA | Deutsche Bank AG Jakarta |
| IRELAND | JPMorgan Chase Bank, N.A.** 25 Bank Street, Canary Wharf London E14 5JP UNITED KINGDOM | J.P. Morgan AG** Frankfurt am Main |
| ISRAEL | Bank Leumi le-Israel B.M. 35, Yehuda Halevi Street 65136 Tel Aviv ISRAEL | Bank Leumi le-Israel B.M. Tel Aviv |
| ITALY | BNP Paribas Securities Services S.C.A. Via Aspetto, 5 20123 Milan ITALY | J.P. Morgan AG** Frankfurt am Main |
| JAPAN | Mizuho Bank, Ltd. 2-15-1, Konan Minato-ku Tokyo 108-6009 JAPAN The Bank of Tokyo-Mitsubishi UFJ, Ltd. 1-3-2 Nihombashi Hongoku-cho Chuo-ku Tokyo 103-0021 JAPAN | JPMorgan Chase Bank, N.A.** Tokyo |

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| JORDAN | Standard Chartered Bank Shmeissani Branch Al-Thaqafa Street Building # 2 P.O.BOX 926190 Amman JORDAN | Standard Chartered Bank Amman |
| KAZAKHSTAN | JSC Citibank Kazakhstan Park Palace, Building A, Floor 2 41 Kazybek Bi Almaty 050010 KAZAKHSTAN | JSC Citibank Kazakhstan Almaty |
| KENYA | Standard Chartered Bank Kenya Limited Chiromo 48 Westlands Road Nairobi 00100 KENYA | Standard Chartered Bank Kenya Limited Nairobi |
| KUWAIT | HSBC Bank Middle East Limited Kuwait City, Qibla Area Hamad Al-Saqr Street, Kharafi Tower G/1/2 Floors Safat 13017 KUWAIT | HSBC Bank Middle East Limited Safat |
| LATVIA | Swedbank AS Balasta dambis 1a Riga LV-1048 LATVIA | J.P. Morgan AG** Frankfurt am Main |
| LEBANON | HSBC Bank Middle East Limited HSBC Main Building Riad El Solh, P.O. Box 11-1380 1107-2080 Beirut LEBANON | JPMorgan Chase Bank, N.A.** New York |
| LITHUANIA | AB SEB Bankas 12 Gedimino pr. LT 2600 Vilnius LITHUANIA | AB SEB Bankas Vilnius J.P. Morgan AG** Frankfurt am Main |
| LUXEMBOURG | BNP Paribas Securities Services S.C.A. 33, Rue de Gasperich L-5826 Hesperange LUXEMBOURG | J.P. Morgan AG** Frankfurt am Main |
| *MALAWI* | Standard Bank Limited, Malawi 1st Floor Kaomba House Cnr Glyn Jones Road & Victoria Avenue Blantyre MALAWI | Standard Bank Limited, Malawi Blantyre |

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| MALAYSIA | HSBC Bank Malaysia Berhad 2 Leboh Ampang 12th Floor, South Tower 50100 Kuala Lumpur MALAYSIA | HSBC Bank Malaysia Berhad Kuala Lumpur |
| MAURITIUS | The Hongkong and Shanghai Banking Corporation Limited HSBC Centre 18 Cyberville Ebene MAURITIUS | The Hongkong and Shanghai Banking Corporation Limited Ebene |
| MEXICO | Banco Nacional de Mexico, S.A. Act. Roberto Medellin No. 800 3er Piso Norte Colonia Santa Fe 01210 Mexico, D.F. MEXICO | Banco Santander (Mexico), S.A. Mexico, D.F. |
| MOROCCO | Société Générale Marocaine de Banques 55 Boulevard Abdelmoumen Casablanca 20100 MOROCCO | Attijariwafa Bank S.A. Casablanca |
| NAMIBIA | Standard Bank Namibia Limited Mutual Platz 2nd Floor, Standard Bank Centre Cnr. Stroebeel and Post Streets P.O.Box 3327 Windhoek NAMIBIA | The Standard Bank of South Africa Limited Johannesburg |
| NETHERLANDS | BNP Paribas Securities Services S.C.A. Herengracht 595 1017 CE Amsterdam NETHERLANDS | J.P. Morgan AG** Frankfurt am Main |
| NEW ZEALAND | JPMorgan Chase Bank, N.A.** Level 13, 2 Hunter Street Wellington 6011 NEW ZEALAND | Westpac Banking Corporation Wellington |
| NIGERIA | Stanbic IBTC Bank Plc Plot 1712 Idejo Street Victoria Island Lagos NIGERIA | Stanbic IBTC Bank Plc Lagos |
| NORWAY | Nordea Bank Norge ASA Essendropsgate 7 PO Box 1166 NO-0107 Oslo NORWAY | Nordea Bank Norge ASA Oslo |

| MARKET | SUBCUSTODIAN | CASH CORRESPONDENT BANK |
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| OMAN | HSBC Bank Oman S.A.O.G. 2nd Floor Al Khuwair PO Box 1727 PC 111 Seeb OMAN | HSBC Bank Oman S.A.O.G. Seeb |
| PAKISTAN | Standard Chartered Bank (Pakistan) Limited P.O. Box 4896 Ismail Ibrahim Chundrigar Road Karachi 74000 PAKISTAN | Standard Chartered Bank (Pakistan) Limited Karachi |
| PERU | Citibank del Perú S.A. Av. Canaval y Moreryra 480 Piso 4 San Isidro Lima 27 PERU | Citibank del Perú S.A. Lima |
| PHILIPPINES | The Hongkong and Shanghai Banking Corporation Limited 7/F HSBC Centre 3058 Fifth Avenue West Bonifacio Global City 1634 Taguig City PHILIPPINES | The Hongkong and Shanghai Banking Corporation Limited Taguig City |
| POLAND | Bank Handlowy w. Warszawie S.A. ul. Senatorska 16 00-923 Warsaw POLAND | mBank S.A. Warsaw |
| PORTUGAL | BNP Paribas Securities Services S.C.A. Avenida D.João II, Lote 1.18.01, Bloco B, 7º andar 1998-028 Lisbon PORTUGAL | J.P. Morgan AG** Frankfurt am Main |
| QATAR | HSBC Bank Middle East Limited 2nd Floor, Ali Bin Ali Tower Building 150 (Airport Road) PO Box 57 Doha QATAR | HSBC Bank Middle East Limited Doha |
| ROMANIA | Citibank Europe plc 145 Calea Victoriei 1st District 010072 Bucharest ROMANIA | ING Bank N.V. Bucharest |
| RUSSIA | J.P. Morgan Bank International (Limited Liability Company)** 10, Butyrsky Val White Square Business Centre Floor 12 Moscow 125047 RUSSIA | JPMorgan Chase Bank, N.A.** New York |

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| SAUDI ARABIA | HSBC Saudi Arabia Limited 2/F HSBC Building Olaya Road, Al-Murooj Riyadh 11413 SAUDI ARABIA | HSBC Saudi Arabia Limited Riyadh |
| SERBIA | Unicredit Bank Srbija a.d. Rajiceva 27-29 11000 Belgrade SERBIA | Unicredit Bank Srbija a.d. Belgrade |
| SINGAPORE | DBS Bank Ltd 10 Toh Guan Road DBS Asia Gateway, Level 04-11 (4B) 608838 SINGAPORE | Oversea-Chinese Banking Corporation Singapore |
| SLOVAK REPUBLIC | UniCredit Bank Czech Republic and Slovakia, a.s. Sancova 1/A SK-813 33 Bratislava SLOVAK REPUBLIC | J.P. Morgan AG** Frankfurt am Main |
| SLOVENIA | UniCredit Banka Slovenija d.d. Smartinska 140 SI-1000 Ljubljana SLOVENIA | J.P. Morgan AG** Frankfurt am Main |
| SOUTH AFRICA | FirstRand Bank Limited 1 Mezzanine Floor, 3 First Place, Bank City Cnr Simmonds and Jeppe Streets Johannesburg 2001 SOUTH AFRICA | The Standard Bank of South Africa Limited Johannesburg |
| SOUTH KOREA | Standard Chartered Bank Korea Limited 47 Jongro, Jongro-Gu Seoul 110-702 SOUTH KOREA | Standard Chartered Bank Korea Limited Seoul |
| | Kookmin Bank Co., Ltd. 84, Namdaemun-ro, Jung-gu Seoul 100-845 SOUTH KOREA | Kookmin Bank Co., Ltd. Seoul |
| SPAIN | Santander Securities Services, S.A. Ciudad Grupo Santander Avenida de Cantabria, s/n Edificio Ecinar, planta baja Boadilla del Monte 28660 Madrid SPAIN | J.P. Morgan AG** Frankfurt am Main |
| SRI LANKA | The Hongkong and Shanghai Banking Corporation Limited 24 Sir Baron Jayatillaka Mawatha Colombo 1 SRI LANKA | The Hongkong and Shanghai Banking Corporation Limited Colombo |

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| SWEDEN | Nordea Bank AB (publ) Hamngatan 10 SE-105 71 Stockholm SWEDEN | Svenska Handelsbanken Stockholm |
| SWITZERLAND | UBS Switzerland AG 45 Bahnhofstrasse 8021 Zurich SWITZERLAND | UBS Switzerland AG Zurich |
| TAIWAN | JPMorgan Chase Bank, N.A.** 8th Floor, Cathay Xin Yi Trading Building No. 108, Section 5, Xin Yi Road Taipei 11047 TAIWAN | JPMorgan Chase Bank, N.A.** Taipei |
| *TANZANIA* | Stanbic Bank Tanzania Limited Stanbic Centre Corner Kinondoni and A.H.Mwinyi Roads P.O. Box 72648 Dar es Salaam TANZANIA | Stanbic Bank Tanzania Limited Dar es Salaam |
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| THAILAND | Standard Chartered Bank (Thai) Public Company Limited 14th Floor, Zone B Sathorn Nakorn Tower 90 North Sathorn Road Bangrak Silom, Bangrak Bangkok 10500 THAILAND | Standard Chartered Bank (Thai) Public Company Limited Bangkok |
| TRINIDAD AND TOBAGO | Republic Bank Limited 9-17 Park Street Port of Spain TRINIDAD AND TOBAGO | Republic Bank Limited Port of Spain |
| TUNISIA | Banque Internationale Arabe de Tunisie, S.A. 70-72 Avenue Habib Bourguiba P.O. Box 520 Tunis 1000 TUNISIA | Banque Internationale Arabe de Tunisie, S.A. Tunis |
| TURKEY | Citibank A.S. Inkilap Mah., Yilmaz Plaza O. Faik Atakan Caddesi No: 3 34768 Umraniye- Istanbul TURKEY | JPMorgan Chase Bank, N.A.** Istanbul |
| UGANDA | Standard Chartered Bank Uganda Limited 5 Speke Road P.O. Box 7111 Kampala UGANDA | Standard Chartered Bank Uganda Limited Kampala |

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| *UKRAINE* | PJSC Citibank 16-G Dilova Street 03150 Kiev UKRAINE | PJSC Citibank Kiev JPMorgan Chase Bank, N.A.** New York |
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| UNITED ARAB EMIRATES - ADX | HSBC Bank Middle East Limited Emaar Square, Level 4, Building No. 5 P.O. Box 502601 Dubai UNITED ARAB EMIRATES | The National Bank of Abu Dhabi Abu Dhabi |
| UNITED ARAB EMIRATES - DFM | HSBC Bank Middle East Limited Emaar Square, Level 4, Building No. 5 P.O. Box 502601 Dubai UNITED ARAB EMIRATES | The National Bank of Abu Dhabi Abu Dhabi |
| UNITED ARAB EMIRATES - NASDAQ DUBAI | HSBC Bank Middle East Limited Emaar Square, Level 4, Building No. 5 P.O. Box 502601 Dubai UNITED ARAB EMIRATES | JPMorgan Chase Bank, N.A. ** New York |
| UNITED KINGDOM | JPMorgan Chase Bank, N.A.** 25 Bank Street, Canary Wharf London E14 5JP UNITED KINGDOM Deutsche Bank AG Depository and Clearing Centre 10 Bishops Square London E1 6EG UNITED KINGDOM | JPMorgan Chase Bank, N.A.** London Varies by currency |
| UNITED STATES | JPMorgan Chase Bank, N.A.** 4 New York Plaza New York NY 10004 UNITED STATES | JPMorgan Chase Bank, N.A.** New York |
| URUGUAY | Banco Itaú Uruguay S.A. Zabala 1463 11000 Montevideo URUGUAY | Banco Itaú Uruguay S.A. Montevideo |
| VENEZUELA | Citibank, N.A. Avenida Casanova Centro Comercial El Recreo Torre Norte, Piso 19 Caracas 1050 VENEZUELA | Citibank, N.A. Caracas |
| VIETNAM | HSBC Bank (Vietnam) Ltd. Centre Point 106 Nguyen Van Troi Street Phu Nhuan District Ho Chi Minh City VIETNAM | HSBC Bank (Vietnam) Ltd. Ho Chi Minh City |

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| <p>*WAEMU - BENIN, BURKINA FASO, GUINEA-BISSAU, IVORY COAST, MALI, NIGER, SENEGAL, TOGO*</p> | <p>Standard Chartered Bank Côte d'Ivoire SA 23 Boulevard de la Republique 1 01 B.P. 1141 Abidjan 17 IVORY COAST</p> | <p>Standard Chartered Bank Côte d'Ivoire SA Abidjan</p> |
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| <p>ZAMBIA</p> | <p>Standard Chartered Bank Zambia Plc Standard Chartered House Cairo Road P.O. Box 32238 Lusaka 10101 ZAMBIA</p> | <p>Standard Chartered Bank Zambia Plc Lusaka</p> |
| <p>*ZIMBABWE*</p> | <p>Stanbic Bank Zimbabwe Limited Stanbic Centre, 3rd Floor 59 Samora Machel Avenue Harare ZIMBABWE</p> | <p>Stanbic Bank Zimbabwe Limited Harare</p> |
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