



List of Sub-Custodians - December 2019



HAUCK & AUFHÄUSER  
PRIVATBANK SEIT 1796

## List of Sub-Custodians / Custody Network

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The assets (equities / bonds) held for the account of the funds are mainly kept by:

- Clearstream Banking S.A., Luxembourg\*
- Clearstream Banking AG, Frankfurt am Main\*
- Citibank N.A., London

and domestic / foreign fund shares are mainly kept by :

- Clearstream Banking S.A., Luxembourg\*
- Clearstream Banking AG, Frankfurt am Main\*
- B. Metzler seel. Sohn & Co. KGaA, Frankfurt am Main
- ifsam - International Fund Services & Asset Management S.A., Luxembourg
- Fondsdepot Bank GmbH, Hof
- Augsburger Aktienbank AG, Augsburg

Furthermore, the following special Sub-Custodian is used:

- Standard Chartered Bank (Group)

\*Please find more details under the following link:

[www.clearstream.com/clearstream-en/products-and-services/market-coverage/markets-covered](http://www.clearstream.com/clearstream-en/products-and-services/market-coverage/markets-covered)

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**Clearstream Banking S.A. (Luxembourg)**  
**Clearstream Banking AG (Frankfurt)**

**BICCODE: CEDELULLXXX**  
**BICCODE: DAKVDEFFXXX**

<b>Country</b>	<b>2nd Sub-Custodian</b>	<b>Central Securities Depository</b>
<b>Argentina</b>		Caja de Valores S.A., Buenos Aires (CVSA)
<b>Australia</b>	JPMorgan Chase Bank N.A., Sydney Branch (CHASAU2XDCC)	Austraclear Limited, Sydney The Depository Trust Company , New York (DTC)
<b>Austria</b>	Clearstream Banking AG, Frankfurt am Main (DAKVDEFFXXX)	Österreichische Kontrollbank Central Securities Depository GmbH, Vienna (OeKB CSD)
<b>Belgium</b>	KBC Bank N.V., Brussels (KREDBEBBXXX) Clearstream Banking AG, Frankfurt am Main (DAKVDEFFXXX)	Euroclear Belgium, Brussels (EBE) National Bank of Belgium, Brussels (NBB)
<b>Canada</b>	RBC Investor Services Trust, Toronto (ROTRCATTXXX)	The Canadian Depository for Securities Ltd., Toronto (CDS) The Depository Trust Company , New York (DTC)
<b>China (B-shares)</b>	HSBC Bank (China) Company Ltd. (HSBCCNSHXXX)	China Securities Depository and Clearing Corp. Ltd. (CSDC) China Central Depository and Clearing Co. Ltd. (CCDC) Shanghai Clearing House (SHCH)
<b>Czech Republic</b>	UniCredit Bank Czech Republic and Slovakia, a.s., Prague (BACXCZPPXXX)	The Central Securities Depository, Prague (CSDP) Czech National Bank, Prague (CNB)
<b>Denmark</b>		VP Securities A/S, Copenhagen
<b>Estonia</b>	SEB Pank AS, Tallinn (EEUHEE2XXXX)	Nasdaq CSD SE, Tallinn
<b>Finland</b>		Euroclear Finland Ltd., Helsinki
<b>France</b>	BNP Paribas Securities Services S.A., Paris (PARBFRPPXXX) Clearstream Banking AG, Frankfurt am Main (DAKVDEFFXXX)	Euroclear France S.A., Paris
<b>Germany</b>	Clearstream Banking S.A., Luxembourg (CEDELULLXXX)	Clearstream Banking AG, Frankfurt am Main
<b>Greece</b>	Citibank Europe plc, Greece Branch, Athens (CITIGRAAXXX) Clearstream Banking AG, Frankfurt am Main (DAKVDEFFXXX)	Hellenic Central Securities Depository S.A., Athens (ATHEXCSD) Bank of Greece settlement system, Athens (BoGS)
<b>Hong Kong</b>	Citibank N.A., Hong Kong (CITIHKHXXXX)	Hong Kong Securities Clearing Company Ltd. (HKSCC) Central Moneymarkets Unit, Hong Kong (CMU)
<b>Hungary</b>		KELER Ltd., Budapest
<b>Iceland</b>	LuxCSD S.A., Luxembourg (LUXCLULLXXX)	Nasdaq CSD Iceland hf, Reykjavik

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<b>Country</b>	<b>2nd Sub-Custodian</b>	<b>Central Securities Depository</b>
<b>Indonesia</b>	Citibank N.A., Jakarta (CITIIDJXXXX)	Indonesian Central Securities Depository, Jakarta (KSEI) Bank Indonesia, Jakarta
<b>Ireland</b>	Citibank N.A., London Branch, London (CITIGB2LXXX)	Euroclear UK & Ireland Ltd., London Euroclear Bank S.A. / N.V., Brussels
<b>Israel</b>	Citibank N.A., Israel Branch, Tel Aviv (CITIILITXXX)	Tel Aviv Stock Exchange Clearing House Ltd., Tel Aviv (TASE-CH)
<b>Italy</b>	Clearstream Banking AG, Frankfurt am Main (DAKVDEFFXXX)	Monte Titoli S.p.A., Milan
<b>Japan</b>	HSBC Ltd., Tokyo (HSBCJPJTXXX)	Bank of Japan, Tokyo (BoJ) Japan Securities Depository Center Inc., Tokyo (JASDEC) The Depository Trust Company, New York (DTC)
<b>Latvia</b>	SEB Pank AS, Tallinn (EEUHEE2XXXX)	Nasdaq CSD SE, Riga
<b>Lithuania</b>	SEB Pank AS, Tallinn (EEUHEE2XXXX)	Nasdaq CSD SE, Vilnius
<b>Luxembourg</b>		LuxCSD S.A., Luxembourg
<b>Malaysia</b>	HSBC Bank Malaysia Berhad, Kuala Lumpur (HBMBMYKLXXX)	Bursa Malaysia Depository Sdn. Berhad, Kuala Lumpur Malaysian Electronic Clearing Sdn Bhd, MyClear
<b>Malta</b>		Malta Stock Exchange plc., Valletta (MSE)
<b>Mexico</b>	Banco Nacional de Mexico S.A., Mexico D.F. (BNMXXMMXXXX)	S.D. Indeval S.A. de C.V., Mexico D.F.
<b>Netherlands</b>	Clearstream Banking AG, Frankfurt am Main (DAKVDEFFXXX)	Euroclear Nederland S.A./N.V., Amsterdam
<b>New Zealand</b>	JPMorgan Chase Bank N.A., New Zealand Branch, Wellington (CHASNZ2AXXX)	New Zealand Central Securities Depository Ltd., Wellington (NZCSD)
<b>Norway</b>		Verdipapirsentralen ASA, Oslo (VPS)
<b>Philippines</b>	Standard Chartered Bank Philippines Securities Services and Trust, Makati City (SCBLPHMMXXXX)	Philippine Deposit & Trust Corp., Makati City (PDTC) Bureau of the Treasury, Manila (BTR)
<b>Poland</b>	Bank Handlowy w Warszawie S.A., Warsaw (CITIPLPXXXX)	National Bank of Poland, Warsaw (NBP) Central Securities Depository of Poland, Warsaw (KDPW)
<b>Portugal</b>	BNP Paribas Securities Services S.A., Paris (PARBFRPPXXX)	Interbolsa - S.G.S.L.S.C.V.M. S.A, Porto

Clearstream Banking S.A. (Luxembourg)

Clearstream Banking AG (Frankfurt)

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<b>Country</b>	<b>2nd Sub-Custodian</b>	<b>Central Securities Depository</b>
<b>Romania</b>	BRD Groupe Societe Generale, Bucharest (BRDEROBUXXX)	National Bank of Romania, Bucharest (NBR) Depozitarul Central S.A., Bucharest
<b>Russia</b>		National Settlement Depository, Moscow (NSD)
<b>Singapore</b>	DBS Bank Ltd., Singapore (DBSSSGSGXXX)	The Central Depository Pte Ltd., Singapore (CDP) Monetary Authority of Singapore (MAS)
<b>Slovakia</b>		Centrálny depozitár cenných papierov SR a.s., Bratislava (CDCP)
<b>Slovenia</b>		Central Securities Clearing Corp., Ljubljana (KDD)
<b>South Africa</b>	Standard Chartered Bank, Johannesburg Branch, Sandton (SCBLZAJJXXX)	South Africa's Central Securities Depository Pty Ltd., Sandton (strate)
<b>South Korea</b>	HSBC Ltd., Seoul Branch (HSBCKRSEXXX)	Korean Securities Depository, Seoul (KSD)
<b>Spain</b>	Banco Bilbao Vizcaya Argentaria S.A., Madrid (BBVAESMMXXX)	Iberclear, Madrid
<b>Sweden</b>	S.E. Banken Custody Service, Stockholm (ESSESESSXXX)	Euroclear Sweden AB, Stockholm
<b>Switzerland</b>	UBS AG, Zurich (UBSWCHZHXXX)	SIX SIS Ltd., Zurich
<b>Thailand</b>	Standard Chartered Bank (Thai) Public Company Ltd., Bangkok (SCBLTHBXXX)	Thailand Securities Depository Company Ltd., Bangkok (TSD)
<b>Turkey</b>	Türk Ekonomi Bankasi A.S., Istanbul (TEBUTRISXXX)	Merkezi Kayıt Kurulusu A.S., Istanbul (MKK) Central Bank of Turkey (CBRT)
<b>United Kingdom</b>	Citibank N.A., London Branch (CITIGB2LXXX)	Euroclear UK & Ireland Ltd., London
<b>USA</b>	Citibank N.A., New York (CITIUS33XXX)	Fedwire Securities Services, New York The Depository Trust Company , New York (DTC)

## Citibank N.A., London

BICCODE: CITIGB2LXXX

<b>Country</b>	<b>2nd Sub-Custodian</b>	<b>Central Securities Depository</b>
<b>Australia</b>	Citigroup Pty Ltd., Sydney (CITIAU3XXXX)	Clearing House Electr. Subregister System, Sydney (CHES) Austraclear Limited, Sydney
<b>Austria</b>	Citibank Europe plc, Dublin (CITIIE2XXXX)	Österreichische Kontrollbank Central Securities Depository GmbH AG, Vienna (OeKB CSD)
<b>Bermuda</b>	HSBC Bank Bermuda Ltd., Hamilton (BBDABMHXXXX)	Bermuda Securities Depository, Hamilton (BSD)
<b>Brazil</b>	Citibank N.A., Brazilian Branch, Sao Paulo (CITIBRSPXXX) <b>3rd Sub-Custodian:</b> Citibank Distribuidora de Títulos e Valores Mobiliários S.A.	B3-Depository Services, Sao Paulo Sistema Especial de Liquidação e de Custódia, Sao Paulo (SELIC) B3-CETIP Segment
<b>Canada</b>	Citibank Canada, Toronto (CITICATTXXX)	Canadian Depository for Securities Ltd., Toronto (CDS)
<b>Chile</b>	Banco de Chile, Santiago (BCHICLRMXXX)	Depósito Central de Valores S.A., Santiago (DCV)
<b>China</b>	Citibank (China) Co. Ltd., Shanghai (CITICNSXXXX)	CSDCC Shanghai Branch CSDCC Shenzhen Branch China Central Depository Clearing Co. Ltd. (CCDC) Shanghai Clearing House (SHCH)
<b>Colombia</b>	Cititrust Colombia S.A., Bogota (CTRUCOB1XXX)	Depósito Centralizado de Valores, Bogotá (DECEVAL) Deposito Central de Valores, Bogotá (DCV)
<b>Croatia</b>	Privredna Banka Zagreb d.d., Zagreb (PBZGHR2XXXX)	Central Depository & Clearing Company Inc. (SKDD d.d.)
<b>Denmark</b>	Citibank Europe plc, Dublin (CITIIE2XXXX)	VP Securities A/S, Copenhagen
<b>Egypt</b>	Citibank N.A. Egypt, Cairo (CITIEGCXXXX)	The Central Bank of Egypt, Cairo (CBE) Misr for Central Clearing, Depository and Registry, Cairo (MCDR)
<b>Estonia</b>	Swedbank A/S, Tallinn (HABAE2XXXX)	Estonian Central Depository for Securities (ECDS)
<b>Finland</b>	Nordea Bank Abp, Helsinki (NDEAFIHHXXX)	Euroclear Finland Ltd., Helsinki
<b>France</b>	Citibank Europe plc, Dublin (CITIIE2XXXX)	Euroclear France, Paris
<b>Germany</b>	Citibank Europe plc, Dublin (CITIIE2XXXX)	Clearstream Banking AG, Frankfurt am Main (CBF)

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<b>Hong Kong</b>	Citibank N.A., Hong Kong (CITIHKXXXX)	Central Clearing and Settlement System, Hong Kong (CCASS) HKMA Central Moneymarket Unit, Hong Kong (CMU)
<b>ICSD</b>		Clearstream Banking S.A., Luxembourg (CBL) Euroclear SA/NV Belgium, Brussels (EBE)
<b>Indonesia</b>	Citibank N.A., Jakarta Branch (CITIIDJXXXX)	Indonesian Central Securities Depository, Jakarta (KSEI) Bank Indonesia, Jakarta
<b>Italy</b>	Citibank Europe plc, Dublin (CITIE2XXXX)	Monte Titoli S.p.A, Milan
<b>Japan</b>	Citibank N.A., Tokyo Branch (CITIJPJTXXX) Citigroup Global Markets Japan Inc., Tokyo (NSBLJPJTXXX)	Bank of Japan, Tokyo (BoJ) Japan Securities Depository Centre, Inc., Tokyo (JASDEC)
<b>Kenya</b>	Standard Chartered Bank of Kenya Ltd., Nairobi (SCBLKENXXXX)	Clearing Depository & Settlement Corporation Ltd., Nairobi (CDSC)
<b>Latvia</b>	Swedbank AS, Tallinn (HABAE2XXXX) <b>3rd Sub-Custodian:</b> Swedbank AS, Riga (HABALV22XXX)	NASDAQ CSD SE, Riga Bank of Latvia, Riga
<b>Lithuania</b>	Swedbank AS, Tallinn (HABAE2XXXX) <b>3rd Sub-Custodian:</b> Swedbank AB, Vilnius (HABALT22XXX)	NASDAQ CSD SE, Vilnius
<b>Mauritius</b>	HSBC Ltd., Ebene (HSBCMUMUXXX)	Central Depository & Settlement Co. Ltd., Port Louis (CDS)
<b>Mexico</b>	Banco Nacional de Mexico S.A., Mexico D.F. (BNMXXMXXMXXX)	S.D. Indeval S.A. de C.V., Mexico D.F.
<b>Morocco</b>	Citibank Maghreb S.A., Casablanca (CITIMAMCXXX)	MAROCLEAR, Casablanca
<b>Netherlands</b>	Citibank Europe plc, Dublin (CITIE2XXXX)	Euroclear (Bank) Nederland, Amsterdam
<b>New Zealand</b>	Citibank N.A., New Zealand Branch, Auckland (CITINZ2XXXX)	New Zealand Central Securities Depository Ltd., Wellington (NZCSD)
<b>Peru</b>	Citibank del Perú S.A., Lima (CITIEPLXXX)	CAVALI S.A. ICLV., Lima
<b>Philippines</b>	Citibank, N.A., Philippines Branch, Taguig City (CITIPHMXXXX)	Philippine Depository & Trust Corp. (PDTC) Bureau of the Treasury, Manila (BTR)
<b>Poland</b>	Bank Handlowy w Warszawie SA, Warsaw (CITIPLPXXXX)	National Bank of Poland, Warsaw (SKRABNET4) Central Securities Depository of Poland, Warsaw (KDPW)
<b>Portugal</b>	Citibank Europe plc, Dublin (CITIE2XXXX)	Interbolsa - S.G.S.L.S.C.V.M. S.A, Porto

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<b>Country</b>	<b>2nd Sub-Custodian</b>	<b>Central Securities Depository</b>
<b>Singapore</b>	Citibank N.A., Singapore Branch (CITISGSGXXX)	The Central Depository Pte Ltd., Singapore (CDP)
<b>Slovenia</b>	UniCredit Banka Slovenia d.d., Ljubljana (BACXSI22XXX)	Central Securities Clearing Corp., Ljubljana (KDD)
<b>South Africa</b>	Citibank N.A., South Africa, Sandton (CITIZAJXXX)	South Africa's Central Securities Depository Pty Ltd., Sandton (Strate)
<b>South Korea</b>	Citibank Korea Inc., Seoul (CITIKRSXXX)	Korean Securities Depository, Seoul (KSD)
<b>Sweden</b>	Citibank Europe plc, Sweden Branch, Stockholm (CITISESXXX)	Euroclear Sweden AB, Stockholm
<b>Switzerland</b>	Citibank N.A., London Branch (CITIGB2LXXX)	SIX SIS AG., Zurich
<b>Taiwan</b>	Citibank Taiwan Ltd., Taipei (CITITWTXXX)	Taiwan Depository Clearing Corporation, Taipei (TDCC)
<b>Thailand</b>	Citibank N.A., Bangkok Branch (CITITHBXXX)	Thailand Securities Depository Company Ltd., Bangkok (TSD)
<b>Tunisia</b>	Union Internationale de Banques, Tunis (UIBKTNTTXXX)	Tunisie Clearing, Tunis
<b>United Kingdom</b>	Citibank N.A., London Branch (CITIGB2LXXX)	Euroclear UK & Ireland Ltd., London
<b>USA</b>	Citibank N.A., New York (CITIUS33XXX)	Federal Reserve Bank, New York (FED) DTCC, New York

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