

GLOBAL CERTIFICATION REGARDING CORRESPONDENT ACCOUNTS

[OMB Control Number 1506-0043]

The information contained in this Certification is sought pursuant to Sections 5318(j) and 5318(k) of Title 31 of the United States Code, as added by sections 313 and 319(b) of the USA PATRIOT Act of 2001 (Public Law 107-56).

This Certification should be completed by any **foreign bank** that maintains a **Correspondent Account** with any U.S. bank or U.S. broker-dealer in securities (a **Covered Financial Institution** as defined in 31 CFR 1010.605(e)). An entity that is not a foreign bank is not required to complete this Certification.

A **foreign bank** is a bank organized under foreign law and located outside of the United States (see definition at 31 CFR 1010.100(u)). A **bank** includes offices, branches, and agencies of commercial banks or trust companies, private banks, national banks, thrift institutions, credit unions, and other organizations chartered under banking laws and supervised by banking supervisors of any state (see definition at 31 CFR 1010.100(d))¹.

A **Correspondent Account** for a foreign bank is any account to receive deposits from, make payments or other disbursements on behalf of a foreign bank, or handle other financial transactions related to the foreign bank.

Special instruction for foreign branches of U.S. banks: A branch or office of a U.S. bank outside the United States is a foreign bank. Such a branch or office is not required to complete this Certification with respect to Correspondent Accounts with U.S. branches and offices of the same U.S. bank.

Special instruction for covering multiple branches on a single Certification: A foreign bank may complete one Certification for its branches and offices outside the United States. The Certification must list all of the branches and offices that are covered and must include the information required in Part C for each branch or office that maintains a Correspondent Account with a Covered Financial Institution. Use attachment sheets as necessary.

A. The undersigned financial institutions, CREDIT SUISSE AG, hereby certifies as follows:

B. Correspondent Accounts Covered by this Certification:

This Certification applies to all accounts established for CREDIT SUISSE AG and the CREDIT SUISSE entities listed in the attachment sheets (CREDIT SUISSE AG and the CREDIT SUISSE entities hereinafter together the "CS entities") by Covered Financial Institutions.

C. Physical Presence/Regulated Affiliate Status:

CS entities maintain a physical presence and are regulated affiliates. That means that each such CS entity:

- Has a place of business at the street address set forth in the attachment hereto, where it employs one or more individuals on a full-time basis and maintains operating records related to its banking activities;
- Is authorized to conduct banking activities in the country where its place of business is located (with the limited exceptions of Credit Suisse AG, Nassau Branch, Credit Suisse Brazil (Bahamas) Limited and Credit Suisse AG, Cayman Islands Branch, holders of non-resident bank licenses);
- Is subject to inspection by the Banking Authorities identified in the attachment hereto that licensed the particular CS entity to conduct banking activities; and
- Is an affiliate of CREDIT SUISSE AG, which maintains a physical presence (head office) at Paradeplatz 8, 8001 Zürich, Switzerland, where they employ one or more persons on a full-time basis, maintain operating records related to their banking activities, are supervised by the Swiss Financial Market Supervisory Authority FINMA, and where they are authorized to conduct banking activities;
- Is subject to supervision by the banking supervisory agencies identified in the attachment hereto.

D. Indirect Use of Correspondent Accounts:

No Correspondent Account maintained by a Covered Financial Institution may be used to indirectly provide banking services to certain foreign banks. The CS entities hereby certify that they do not use any Correspondent Account with a Covered Financial Institution to indirectly provide banking services to any foreign bank that does not maintain a physical presence in any country and that is not a regulated affiliate.

¹ A "foreign bank" does not include any foreign central bank or monetary authority that functions as a central bank, or any international financial institution or regional development bank formed by treaty or international agreement.

E. Ownership Information:

CS entities are owned by CREDIT SUISSE GROUP AG as set forth below. For purposes of this Certification, owner means any person who, directly or indirectly, (a) owns, controls, or has power to vote 25 percent or more of any class of voting securities or other voting interests of Foreign Bank; or (b) controls in any manner the election of a majority of the directors (or individuals exercising similar functions) of Foreign Bank. For purposes of this Certification, (i) person means any individual, bank, corporation, partnership, limited liability company or any other legal entity; (ii) voting securities or other voting interests means securities or other interests that entitle the holder to vote for or select directors (or individuals exercising similar functions); and (iii) members of the same family² shall be considered one person.

Name	Address
Credit Suisse Group AG	Paradeplatz 8 CH-8001 Zurich Switzerland

F. Process Agent:

CT Corporation System is a resident of the United States at 111 Eight Avenue, 13th Floor, New York, NY 1001 and is authorized to accept service of legal process on behalf of accept service of legal process on behalf of CREDIT SUISSE AG the Secretary of the Treasury or the Attorney General of the United States pursuant to Section 5318(k) of title 31, United States Code.

G. General

The CS entities hereby agree to notify in writing each Covered Financial Institution at which they maintain any Correspondent Account of any change in facts or circumstances reported in this Certification. Notification shall be given within 30 calendar days of such change.

The CS entities understand that each Covered Financial Institution at which it or its entities maintain a Correspondent Account may provide a copy of this Certification to the Secretary of the Treasury and the Attorney General of the United States.

The CS entities further understand that the statements contained in this Certification may be transmitted to one or more departments or agencies of the United States of America for the purpose of fulfilling such departments' and agencies' governmental functions.

I, Sterling D. Daines, certify that I have read and understand this Certification and that the statements made in this Certification hereto are true and correct, and that I am authorized to execute this Certification on behalf of the CS entities.



Sterling D. Daines
Global Head of Financial Crime Compliance

I, Thomas Weisshaar, certify that I have read and understand this Certification and that the statements made in this Certification hereto are true and correct, and that I am authorized to execute this Certification on behalf of the CS entities.



Thomas Weisshaar
Head of Financial Crime Compliance Switzerland

Executed on the 15th day of September 2017

² The same family means parents, spouses, children, siblings, uncles, aunts, grandparents, grandchildren, first cousins, stepchildren, stepsiblings, parents-in-law and spouses of any of the foregoing. In determining the ownership interests of the same family, any voting interest of any family member shall be taken into account.

CS AG Entity	Street Address	City	Postal Code	Country	Banking Authority
Credit Suisse AG, Sydney Branch	Level 31 Gateway, 1 Macquarie Place	Sydney	NSW 2000	Australia	Australian Prudential Regulation Authority / Australian Securities and Investments Commission / Sydney Futures Exchange / Sydney Futures Exchange Clearing House
Credit Suisse (Luxembourg) S.A., Zweigniederlassung Österreich	Kärntner Ring 11 – 13	Vienna	1010	Austria	Commission de Surveillance du Secteur Financier (Luxembourg) / Austrian Financial Market Authority
Credit Suisse AG, Nassau Branch	Bahamas Financial Centre, 4 th Floor, Shirley & Charlotte Streets, P.O. Box N-4928	Nassau		Bahamas	The Central Bank of the Bahamas
Credit Suisse Brazil (Bahamas) Limited	The Bahamas Financial Centre, 4 th Floor, Shirley and Charlotte Streets, P.O. Box N-3241	Nassau		Bahamas	The Central Bank of the Bahamas
Credit Suisse AG, Bahrain Branch	East Tower Level 22, Bahrain World Trade Centre	Manama		Bahrain	Central Bank of Bahrain
Banco Credit Suisse (Brasil) S.A.	Rua Leopoldo Couto de Magalhães Jr., 700 - 10º andar	São Paulo	04542-000	Brazil	Central Bank of Brazil
Banco de Investimentos Credit Suisse (Brasil) S.A.	Rua Leopoldo Couto de Magalhães Jr., 700 - 10º andar	São Paulo	04542-000	Brazil	Central Bank of Brazil
Credit Suisse AG, Toronto Branch	One First Canadian Place, Suite 2900, P.O. Box 301	Toronto	M5X 1C9	Canada	Office of the Superintendent of Financial Institutions (OSFI)
Credit Suisse AG, Cayman Island Branch	c/o CIBC Bank and Trust Company (Cayman) Limited, CIBC Financial Centre, 5 th Floor, 11 Dr. Roy's Drive	George Town		Cayman Islands	Cayman Islands Monetary Authority
Credit Suisse AG, Guernsey Branch	Helvetia Court, Les Echelons, South Esplanade, P.O. Box 435	St Peter Port	GY1 3YJ	Channel Islands	Guernsey Financial Services Commission
Credit Suisse (Channel Islands) Limited	Helvetia Court, Les Echelons, South Esplanade	St. Peter Port	GY1 3YJ	Channel Islands	Guernsey Financial Services Commission
Credit Suisse AG, Shanghai Branch	Shanghai International Finance Centre, 8 Century Avenue	Shanghai	200120	China (P.R.C.)	People's Bank of China / China Banking Regulatory Commission / State Administration of Foreign Exchange

CS AG Entity	Street Address	City	Postal Code	Country	Banking Authority
Credit Suisse (France)	25 Avenue Kleber	Paris	75784	France	Autorité de Contrôle Prudentiel et de Résolution (ACPR)
Credit Suisse (Deutschland) Aktiengesellschaft	Junghofstrasse 16	Frankfurt	60311	Germany	German Federal Financial Supervisory Authority (BaFin) / Central Bank of Germany
Credit Suisse (Gibraltar) Limited	1st Floor, Neptune House	Marina Bay		Gibraltar	Gibraltar Financial Services Commission
Credit Suisse (Luxembourg) S.A., Greece Branch	38 Patriarchou Ioakim Street	Athens	106 75	Greece	Commission de Surveillance du Secteur Financier (Luxembourg), Bank of Greece
Credit Suisse AG Hong Kong Branch	Level 88, International Commerce Centre, 1 Austin Road West	Kowloon		Hong Kong, China P.R.C.	Hong Kong Monetary Authority / Securities and Futures Commission
Credit Suisse AG, Mumbai Branch	10th Floor, Ceejay House, Plot F, Shivsagar Estate, Dr. Annie Besant Road,	Mumbai	400018	India	Reserve Bank of India
Credit Suisse International, Dublin Branch	Kilmore House, Park Lane, Spencer Dock	Dublin	1	Ireland	Central Bank of Ireland / Financial Conduct Authority (FCA)
Credit Suisse AG, Dublin Branch	Kilmore House, Park Lane, Spencer Dock	Dublin	1	Ireland	Central Bank of Ireland (CBI)
Credit Suisse AG, Milan Branch	Via Santa Margherita No. 3	Milan	20121	Italy	Banca d'Italia / Commissione Nazionale per le Società e la Borsa (CONSOB)
Credit Suisse (Italy) S.p.A.	Via Santa Margherita No. 3	Milan	20121	Italy	Banca d'Italia / Commissione Nazionale per le Società e la Borsa (CONSOB)
Credit Suisse AG, Tokyo Branch	Izumi Garden Tower, 1-6-1 Roppongi, Minato-ku	Tokyo	106-6024	Japan	Bank of Japan / Ministry of Finance / Financial Services Agency (Japan)
Credit Suisse (Luxembourg) S.A.	5, Rue Jean Monnet	Luxembourg	2180	Luxembourg	Commission de Surveillance du Secteur Financier

CS AG Entity	Street Address	City	Postal Code	Country	Banking Authority
Credit Suisse AG, Luxembourg Branch	5, Rue Jean Monnet	Luxembourg	2180	Luxembourg	Eidgenössische Finanzmarktaufsicht (FINMA) / Commission de Surveillance du Secteur Financier
Credit Suisse AG, Labuan Branch	Lot 2 & 3, Level 3, Wisma Lazenda, Jalan Kemajuan	Labuan F.T.	87000	Malaysia	Labuan Offshore Financial Service Authority
Banco Credit Suisse (Mexico), S.A.	Torre Reforma 115, Reforma 115 Piso 26, Delegación Miguel Hidalgo	México D.F.	11000	Mexico	Bank of Mexico; Commission on Banking and Securities of Mexico (CNBV)
Credit Suisse (Monaco) S.A.M.	27 Avenue de la Costa, Le Park Palce	Monte Carlo	98000	Monaco	Monaco Financial Services Commission / Banque de France – Commission Bancaire
Credit Suisse (Luxembourg) S.A., Sucursal em Portugal	Avenida de Libertade 180-A8	Lisbon	1250-146	Portugal	Commission de Surveillance du Secteur Financier (Luxembourg) / Banco de Portugal
CJSC Bank Credit Suisse (Moscow)	4 Romanov Pereulok, Building 2, 6 th Floor	Moscow	125009	Russian Federation	Central Bank of Russia / Federal Financial Markets Service of the Russian Federation
Credit Suisse AG, Singapore Branch	1 Raffles Link, #03-01 One Raffles Link	Singapore	39393	Singapore	Monetary Authority of Singapore
Credit Suisse (Singapore) Limited	1 Raffles Link, #03-01 One Raffles Link	Singapore	39393	Singapore	Monetary Authority of Singapore
Credit Suisse AG, Seoul Branch	14 th Floor, Hanwha Building, 109 Sogong-ro, Jung- gu	Seoul	100-755	South Korea	Ministry of Finance and Economy / Korea Exchange; Financial Supervisory Services / Financial Supervisory Commission / Bank of Korea / Korea Federation of Bankers
Credit Suisse AG, Sucursal en España	Calle ayala 42	Madrid	28001	Spain	Madrid Stock Exchange Authority (CNMV) / Bank of Spain
Credit Suisse International, Sucursal en España	Ayala, 42, Planta 3B	Madrid	28001	Spain	Bank of Spain / Financial Conduct Authority (FCA)
Credit Suisse International, (UK) Bank Sweden Branch (filial)	Norrmalmstorg 12	Stockholm	111 46	Sweden	Financial Conduct Authority (FCA) / Financial Supervisory Authority (Sweden)

CS AG Entity	Street Address	City	Postal Code	Country	Banking Authority
Credit Suisse International Advisors AG	Uetlibergstrasse 231	Zürich	8070	Switzerland	Swiss Financial Market Supervisory Authority (FINMA)
Credit Suisse (Switzerland) Ltd.	Paradeplatz 8	Zürich	8001	Switzerland	Swiss Financial Market Supervisory Authority (FINMA)
Credit Suisse AG, Dubai Branch	The Gate, 9th Floor East, Dubai International Financial Centre P.O. Box 33660	Dubai		United Arab Emirates	DIFC Financial Services Authority (Dubai UAE)
Credit Suisse AG, London Branch	One Cabot Square	London	E14 4QJ	United Kingdom	Financial Conduct Authority (FCA)
Credit Suisse International	One Cabot Square	London	E14 4QJ	United Kingdom	Financial Conduct Authority (FCA)
Credit Suisse (UK) Limited	16 th Floor, 5 Cabot Square	London	E14 4QR	United Kingdom	Financial Conduct Authority (FCA)
Credit Suisse Securities (Europe) Limited	One Cabot Square	London	E14 4QJ	United Kingdom	Financial Conduct Authority (FCA)
Credit Suisse AG, New York Branch	Credit Suisse, New York Branch, 11 Madison Avenue	New York	10010	United States of America	Federal Reserve Bank of New York / Board of Governors of the Federal Reserve System