

UBS GLOBAL CERTIFICATION REGARDING CORRESPONDENT ACCOUNTS FOR UBS ENTITIES

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 C.F.R. 103.175(f)). 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 C.F.R. 103.11(o)). 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 C.F.R. 103.11(c))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, the UBS entities listed in the attachment hereto (the "**UBS entities**"), hereby certify as follows:

B. Correspondent Accounts Covered by this Certification:

This Certification applies to all accounts established for the UBS entities by Covered Financial Institutions.

C. Physical Presence/Regulated Affiliate Status:

The UBS entities maintain a physical presence and are regulated affiliates. That means that each such UBS 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 exception of UBS (Bahamas) Ltd., holder of a non-resident bank license);
- Is subject to inspection by the Banking Authorities identified in the attachment hereto that licensed the particular UBS entity to conduct banking activities; and
- Is an affiliate of UBS AG, which maintains a physical presence at Bahnhofstrasse 45, 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.

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.

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 UBS 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.

E. Ownership Information:

The UBS entities are owned, directly or indirectly, by UBS AG, Bahnhofstrasse 45, 8001 Zürich, Switzerland, whose shares are publicly traded. Publicly traded means that the shares are traded on an exchange or an organized over-the-counter market that is regulated by a foreign securities authority as defined in section 3(a)(50) of the Securities Act of 1934 (15 U.S.C. 78c(a)(50)).

F. Process Agent:

UBS AG, Stamford is a resident of the United States at Legal Department, 677 Washington Boulevard, Stamford CT 06901 and is authorized to accept service of legal process on behalf of the UBS entities that have a Correspondent Account with a Covered Financial Institution from 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 UBS 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 UBS entities understand that each Covered Financial Institution at which they 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 UBS 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, John Cusack, 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 UBS entities.



John Cusack
Deputy Group Compliance
UBS AG

November 12, 2013

UBS Entity	Street Address	City	Postal Code	Country	Banking Authority
UBS AG, Australia Branch	Level 16, Chifley Tower, 2 Chifley Square	Sydney	NSW 2000	Australia	Australian Prudential Regulation Authority
UBS (Bahamas) Ltd	East Bay Street, UBS House	Nassau		Bahamas	Central Bank of the Bahamas
UBS AG	Bahrain Commercial Complex, Sheraton Tower, 5th Floor	Manama		Bahrain	Bahrain Monetary Agency
UBS Belgium SA	Avenue de Tervueren 300, Woluwe-Saint-Pierre	Bruxelles	1150	Belgium	Commission Bancaire Financière et des Assurances
UBS Brasil Banco de Investimento S.A.	Avenida Brigadeiro Faria Lima, 4440 - 10th floor	Sao Paulo	04538- 132	Brazil	Banco Central do Brasil
UBS AG Canada Branch	161 Bay Street, Suite 4100	Toronto	ONT M5J 2S1	Canada	Office of the Superintendent of Financial Institutions
UBS Bank (Canada)	154 University Avenue	Toronto	ONT M5H 3Z4	Canada	Office of the Superintendent of Financial Institutions
UBS Fund Services (Cayman) Ltd	UBS House, 227 Elgin Avenue	Grand Cayman		Cayman Islands	Cayman Islands Monetary Authority
UBS AG Grand Cayman Branch	Fort Street	George Town		Cayman Islands	Cayman Islands Monetary Authority
UBS AG, Jersey	24 Union Street	St. Helier	JE2 3RF	Channel Islands	Jersey Financial Services Commission
UBS (China) Ltd	Rooms 1217-30 Winland International Finance Center, No.7 Finance Street, Xicheng District	Beijing	100033	China	China Banking Regulatory Commission
UBS (France) SA	69, Boulevard Haussmann	Paris	F-75008	France	Commission Bancaire
UBS Deutschland AG	Bockenheimer Landstraße 2-4	Frankfurt a/M	D-60306	Germany	German Financial Services Authority
UBS AG, Hong Kong Branch	52/F, Two International Finance Centre	Hong Kong SAR		Hong Kong P.R.C.	Hong Kong Monetary Authority, SFC
UBS AG, India Branch	3/F, 2 North Avenue, Maker Maxity, Bandra-Kurla Complex, Bandra (E)	Mumbai	400051	India	Reserve Bank of India
UBS (Italia) SpA	Piazza degli Affari 1	Milan	20123	Italy	Banca d'Italia, Commissione Nazionale per le Società e la Borsa (CONSOB)
UBS Italia SIM S.p.A.	Via Santa Margherita 16	Milan	20121	Italy	Banca d'Italia, Commissione Nazionale per le Società e la Borsa (CONSOB)
UBS (Italia) SpA	Via del Vecchio Politecnico 3	Milan	20121	Italy	Banca d'Italia, Commissione Nazionale per le Società e la Borsa (CONSOB)
UBS AG, Tokyo Branch	Shin Marunouchi Building, 5-1 Marunouchi 1-chome, Chiyoda-ku	Tokyo	100-6512	Japan	Financial Services Agency (Japan)
UBS (Luxembourg) SA	33A avenue JF Kennedy	Luxembourg	L-1855	Luxembourg	Commission de Surveillance du Secteur Financier

UBS Entity	Street Address	City	Postal Code	Country	Banking Authority
UBS Bank Mexico, S.A. Institucion de Banca Multiple, UBS Grupo Financiero	Campos Eliseos 345-19 Edificio Omega Col. Polanco	México D.F.	11560	Mexico	Comisión Nacional Bancaria y de Valores (CNBV)
UBS Casa de Bolsa, S.A. de C.V.	Campos Eliseos 345-19, Edificio Omega, Col. Polanco	México D.F.	11560	Mexico	Comisión Nacional Bancaria y de Valores (CNBV)
UBS (Monaco) SA	2, Avenue de Grande-Bretagne	Monte Carlo	MC-98000	Monaco	Commission Bancaire
UBS AG, Singapore Branch	One Raffles Quay #50-01 North Tower	Singapore	48583	Singapore	Monetary Authority of Singapore
UBS Principal Capital Asia Ltd.	One Raffles Quay #50-01 North Tower	Singapore	48583	Singapore	Monetary Authority of Singapore
UBS AG, Seoul Branch	22/F Seoul Finance Center, 84 Taepyungro 1-ga, Chung-gu	Seoul	100-768	South Korea	Financial Supervisory Commission, FS Service, SFC
UBS Bank SA	Calle María de Molina, 4	Madrid	E-28006	Spain	Bank of Spain
UBS AG	Regeringsgatan 38	Stockholm	S-11153	Sweden	Swedish Financial Supervisory Authority, Finansinspektionen
UBS AG, Head Office	Bahnhofstrasse 45	Zurich	8001	Switzerland	FINMA
UBS AG	Europastrasse 1-2	Zurich	8098	Switzerland	FINMA
UBS AG	Paradeplatz 6	Zurich	8001	Switzerland	FINMA
UBS AG	Manessestrasse 85	Zurich	8045	Switzerland	FINMA
UBS AG	Gessneralle 3	Zurich	8001	Switzerland	FINMA
UBS AG	Via Cantonale 18	Manno	6928	Switzerland	FINMA
UBS AG	Place Pury 5	Neuchâtel	2000	Switzerland	FINMA
UBS AG	Bubenberglplatz 3	Bern	3011	Switzerland	FINMA
UBS AG, Taipei Branch	7, Sung Jen Road	Taipei	Taipei 110	Taiwan, R.O.C.	Bureau of Monetary Affairs, Securities & Futures Commission, Central Bank of China
UBS Limited	100 Liverpool Street	London	EC2M 2RH	United Kingdom	UK Financial Services Authority
UBS AG	1 Finsbury Avenue	London	EC2M 2PP	United Kingdom	UK Financial Services Authority
UBS AG, London Branch	1 Curzon Street	London	W1J 5UB	United Kingdom	UK Financial Services Authority
UBS AG, New York Branch	1285 Avenue of the Americas	New York	NY 10019	United States	OCC
UBS AG, New York Branch	299 Park Avenue	New York	NY 10171	United States	Federal Reserve Bank of New York
UBS AG Stamford Branch	677 Washington Boulevard	Stamford	CT 06901	United States	Connecticut Department of Banking, FED
UBS Securities LLC	677 Washington Boulevard	Stamford	CT 06901	United States	SEC, FED