

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 | Bubenberplatz 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 |