1H15 expected to surprise positively on HK/China

Upgrading to Buy, HK market performance expected to be strong

AIA's share price has underperformed HSI, HSCEI and HSCEI financials index by 6-11% in 2Q where the average P/EV gap between AIA and its Chinese peers has narrowed down from over 50% to around 20% over the past nine months. We believe that AIA's strong franchise, superior management and powerful free cashflow surplus generation would help the stock maintain a strong P/EV premium vs its Chinese peers for as long as AIA continues to deliver strong VoNB growth. We are upgrading AIA to a Buy where we expect strong H115 result to be a positive stock re-rating catalyst.

Upgrading our FY15 VoNB growth forecast to 29%/40% for HK/China

Despite changes on investment immigration policy announced by the HK government, new premium sales driven by strong fundflows into HK is expected to positively surprise the market for 1H15. We expect AlA Hong Kong to report strong ANP growth in H115 and we have upgraded our FY15E AlA HK VoNB forecast from 18% to 29%. Strong HK/China markets (representing 44% of total FY14 VoNB) is expected to remain a key driver for AlA's VoNB growth into FY16. We also revised up our FY15E NPAT by 7%.

Slower US rate rising cycle and strong Asian markets helps investment results

AlA had seen some impact of slower bancassurance growth in some ASEAN markets during FY14 where fundflows were affected by changing global rate environments. With US Fed's more delayed rate rise policy direction and YTD strong Asian equities markets, these impacts are not expected to affect 1H15 result as much. Together with strong active agency growth during 2H14, AlA is expected to hold up its position well despite increasing competition in Malaysia and Indonesia from peers.

Valuation: Buy rating with new PT of HK\$57.50

We raise our price target by 7% to HK\$57.50 as we forecast stronger VoNB supported by HK/China market and higher EV profit supported by investment income. Our DCF-based price target is equivalent to 2.1x 2015E implied P/EV (previously 2.0x) and 20.6x 2015E NBV (previously 19.1x).

Equities

Hong Kong Insurance, Full-Line

12-month rating

Buy
Prior: Neutral

12m price target

HK\$57.50
Prior: HK\$53.75

HK\$50.50

RIC: 1299.HK BBG: 1299 HK

Trading data and key metrics

HK\$53.75-38.30 52-wk range Market cap. HK\$608bn/US\$78.5bn 12,044m (ORD) Shares o/s Free float 100% Avg. daily volume ('000) 27.549 Avg. daily value (m) HK\$1,410.4 Common s/h equity (11/15E) US\$34.0bn P/BV (11/15E) 2.5x

EPS (UBS, diluted) (US\$)

	From	То	% ch	Cons.
11/15E	0.34	0.37	7.17	0.32
11/16E	0.37	0.38	1.60	0.35
11/17E	0.40	0.40	0.32	0.40

Bob Leung

Analyst bob.leung@ubs.com +852-2971 5502

Judy Chen

Associate Analyst judy-a.chen@ubs.com +852-2971 8904

Highlights (US\$)	11/12	11/13	11/14	11/15E	11/16E	11/17E	11/18E	11/19E
EPS (local GAAP, diluted)	0.25	0.24	0.29	0.37	0.38	0.40	0.44	0.39
EPS (UBS, diluted)	0.25	0.24	0.29	0.37	0.38	0.40	0.44	0.39
Emb value EPS (UBS)	0.29	0.17	0.20	0.43	0.48	0.50	0.53	0.55
Emb value per share (UBS)	2.62	2.82	3.09	3.50	3.93	4.12	4.33	4.55
DPS (US\$)	0.05	0.05	0.06	0.09	0.09	0.09	0.10	0.11
TNAV per share (UBS)	2.20	1.95	2.39	2.66	2.95	3.25	3.59	3.94
Profitability/valuation	11/12	11/13	11/14	11/15E	11/16E	11/17E	11/18E	11/19E
P/E (local GAAP, diluted) x	13.9	18.8	17.8	17.7	17.2	16.2	14.9	16.5
P/Emb value EPS (UBS) x	12.1	25.7	25.4	15.1	13.6	13.0	12.4	11.8
P/EV per share (UBS) x	1.3	1.6	1.7	1.9	1.7	1.6	1.5	1.4
RoEV (UBS) %	11.9	6.3	6.8	13.1	12.9	12.5	12.5	12.5
Return on TNAV (UBS) %	12.7	11.3	13.3	14.6	13.6	13.0	12.8	10.5
Not dividend viold 9/	1 /	1 2	1 2	1 2	1 /	1 🗆	16	17

Net uividend yield % 1.4 1.2 1.3 1.3 1.4 1.5 1.5 1.6 1.5 1.6 1.5 1.6 1.5 Source: Company accounts, Thomson Reuters, UBS estimates. Metrics marked as (UBS) have had analyst adjustments applied. Valuations: based on an average share price that year, (E): based on a share price of HK\$50.50 on 18 Jun 2015 16:56 HKT

www.ubs.com/investmentresearch

This report has been prepared by UBS Securities Asia Limited. **ANALYST CERTIFICATION AND REQUIRED DISCLOSURES BEGIN ON PAGE 9.** UBS does and seeks to do business with companies covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision.

Investment Thesis AIA Group

Investment case

AIA recorded strong growth in the number of active new agents in FY14 (up 14% YoY). The number of active new agents rose 42% for AIA China, while growing double-digit in Malaysia/Singapore/Hong Kong. In our view, the FY14 results have not fully reflected these upgrades in distribution. AIA has also built a strong foundation for the AIA-Citi alliance in 2014 to support ANP growth in the next two years. In 2015, stronger than expected HK/China markets are expected to drive home strong VoNB results. We continue to believe that AIA can deliver sustainable ROEV growth of 13-14% with its strong franchise and management. The strong core EV profit should help AIA maintain a P/EV premium vs Chinese peers. With recent share price weakness, we view the H115 result a potential stock price re-rating catalyst and upgraded AIA to Buy from Neutral. Our DCF-based price target implies 2.1x FY15E P/EV (previously 2.0x) and 20.6x FY15E VoNB (previously 19.1x).

Upside scenario

In our upside scenario, we assume FY15/FY16/FY17 RoEV of 15.0%/14.7%/14.3% compared to our base case assumptions of 13.3%/13.0%/12.7%. This assumes an even stronger RoEV expansion due to better-than-expected results with increasing contributions from higher-margin markets such as Hong Kong, China and Singapore. In this case, we would estimate a valuation of HK\$61.27 per share.

Downside scenario

In our downside scenario, we assume FY15/FY16/FY17 RoEV of 13%/11%/10%, with a more volatile ASEAN market. In this case, we would estimate a valuation of HK\$51.42 per share.

Upcoming catalysts

We believe the potential catalysts include: 1) continued VoNB growth in FY15; 2) further capital management improvements (which could provide an additional re-rating catalyst); and 3) further details on the AIA-Citi partnership.

12-month rating

HK\$57.50

Buy

12m price target

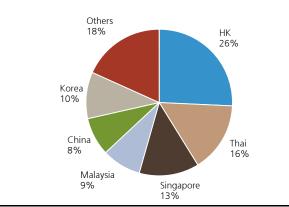
Business description

AlA Group and its subsidiaries is the largest independent publicly listed pan-Asian life insurance group. It operates in 17 markets in Asia with wholly-owned branches and subsidiaries in Australia, Brunei, China, Hong Kong, Indonesia, Korea, Macau, Malaysia, New Zealand, the Philippines, Singapore, Taiwan, Thailand, Vietnam, and a 97%-owned subsidiary in Sri Lanka, a 26%-owned joint venture in India and a representative office in Myanmar.

Industry outlook

Rising global yields could pose as a challenge to the asset liability management of life insurers in the region, especially those with exposure to the ASEAN markets. Overall, we still expect robust growth opportunities for AlA, with strong economic growth and rising demand for protection insurance products in the region.

ANP by region as of FY14



Source: Company data

ANP by region (FY13-17E)

US\$ mn	FY13	FY14	FY15E	FY16E	FY17E
HK	781	952	1,285	1,478	1,655
Thai	565	572	642	733	827
Singapore	400	489	546	583	630
Malaysia	319	320	368	405	445
China	249	311	453	566	679
Korea	338	380	437	472	505
Others	689	676	682	757	810
Group	3,341	3,700	4,413	4,994	5,552

Source: Company data, UBS estimates.

Bob Leung, Analyst, bob.leung@ubs.com, +852-2971 5502

Upgrading to Buy, 1H15 to surprise positively

Figure 1: VoNB forecasts in FY15

VoNB (US\$m)	New	Old	% change	% of total Group VoNB
Hong Kong	797	730	9%	35%
China	362	320	13%	16%
Group	2,283	2,169	5%	100%
VoNB YoY growth (%)	New	Old	% change	
Hong Kong	29%	18%	11%	
China	40%	24%	16%	
Group	24%	18%	6%	

Source: UBS estimates

AlA has a lot of room still to deliver agency business improvements: We view AlA's strong active agency growth in 2014 to drive home a strong result for FY15. In particular, AlA China, increased their active new agents by 42% during 2014. Active new agents also grew by double-digit in Malaysia, Singapore and HK in 2014. In our view, the FY14 results have not fully reflected these distribution upgrades and we expect AlA to report double-digit active agency growth across the group for 1H15.

HK/China expected to be a key growth driver for 2015: Our on the ground discussions with selective HK life insurance agency directors, company managements and industry bodies such as HKFI (HK Federation of Insurers) have led us to believe that new premium sales contribution by Mandarin speakers in HK during 1H15 can contribute up to 30-50% of a majority of HK life insurance agents, where average ticket size could be as much as 100% higher than HK locals.

Despite changes on investment immigration policy announced by the HK government, new premium sales driven by strong fundflows into HK is expected to positively surprise the market for 1H15. We have upgraded our FY15E AIA HK VoNB forecast from 18% to 29%. We also revised up our FY15 NPAT by 7%. Our FY15 NPAT forecast is 17% above consensus.

Figure 2: UBS versus consensus

NPAT (US\$m)	FY15E	FY16E	FY17E
UBS forecasts	4,420	4,559	4,829
Bloomberg consensus	3,774	4,286	4,822
UBS vs consensus %	17%	6%	0%

Source: Bloomberg, UBS estimates. Data as of 18 June 2015.

More delayed US rate rising cycle helpful: AIA had seen some impact of slower bancassurance growth in some ASEAN markets during FY14 where fundflows were affected by the changing global rate environments. With US Fed's more delayed rate rise policy direction and YTD strong Asian equities markets, these impacts are not expected to affect 1H15 result as much.

In our view, step-up efforts by AlA's major regional peers such as Prudential Asia and Manulife in Indonesian and Malaysian markets had somewhat intensified the overall competitive environment during 2013-14. On the other hand, provided

overall macro environment remains stable, AIA's strong active agency growth and major distribution efficiency improvement efforts deployed in markets such as Indonesia during 2014 will help the company to hold up its position well in the lucrative ASEAN region.

Recent stock price weakness a good opportunity: AIA's share price has underperformed HSI, HSCEI and HSCEI financials index by 6-11% in 2Q where the average P/EV gap between AIA and its Chinese peers has narrowed down from over 50% to around 20% over the past nine months. We believe that AIA's strong franchise, superior management and powerful free cashflow surplus generation would help the stock maintain a strong P/EV premium vs its Chinese peers for as long as AIA continues to deliver strong VoNB growth. We are upgrading AIA to a Buy where we expect strong H115 result to be a positive stock re-rating catalyst.

Summary of forecast revisions

- We revise up FY15/FY16/FY17E annualized new premium (ANP) growth for Hong Kong market by 17% driven by strong investment demands from mainland China customers. We thus upgrade FY15 AIA HK VoNB forecast from 18% to 29%.
- Given strong agency force growth and improving productivity in AIA China and Malaysia, we upgrade these two markets' VoNB forecast from 24%/25% to 40%/30% in FY15, respectively.
- We also adjust our currency impact assumptions on the regional market to reflect the US dollar's strength YTD.
- As a result, our FY15/FY16/FY17 NPAT estimates rose by 7.2%/1.6%/0.3%.

Figure 3: Summary of forecast revisions

NPAT	2015E	2016E	2017E
New	4,420	4,559	4,829
Old	4,124	4,483	4,806
% change	7%	2%	0%
EPS in HK\$	2015E	2016E	2017E
New	2.85	2.94	3.12
Old	2.66	2.89	3.10
% change	7%	2%	0%
DPS/sh in HK\$	2015E	2016E	2017E
New	0.67	0.69	0.73
Old	0.63	0.68	0.73
% change	7%	2%	0%
N/ Alm			
VoNB	2015E	2016E	2017E
New	2,283	2,637	2,967
Old	2,169	2,465	2,772
% change	5%	7%	7%
VoNB growth	2015E	2016E	2017E
New	24%	16%	12%
Old	18%	14%	12%
% change	6%	2%	0%
Operating PAT	2015E	2016E	2017E
New	3,458	3,714	3,985
Old	3,475	3,731	3,985
% change	-1%	0%	0%

Source: UBS estimates

Figure 4: Forecast revisions on ANP and VoNB by region

VoNB by market	ket Now			Before				
(US\$mn)	Al	NP	VC	NB	A	NP	V	ONB
	2015E	2016E	2015E	2016E	2015E	2016E	2015E	2016E
Hong Kong	1,285	1,478	797	931	1,123	1,292	730	814
Thailand	642	733	417	476	632	725	411	471
Singapore	546	583	339	362	546	583	339	362
Malaysia	368	405	210	235	352	387	201	225
China	453	566	362	436	400	500	320	385
Korea	437	472	87	104	437	463	87	102
Others	682	757	241	282	692	768	244	286
Total (pre adj.)	4,413	4,994	2,453	2,825	4,183	4,718	2,332	2,644
Adj. on reserving / capital			-50	-50			-50	-50
Unallocated expenses			-119	-138			-114	-129
Total (post adj.)	4,413	4,994	2,283	2,637	4,183	4,718	2,169	2,465

Source: UBS estimates

Valuation

We increase our price target from HK\$53.75 to HK\$57.50 as we forecast stronger NBV supported by HK/China market and higher EV profit supported by investment income. Our DCF-based price target is equivalent to 2.1x 2015E implied P/EV (previously 2.0x) and 20.6x 2015E NBV (previously 19.1x).

Figure 5: PT derivation

DCF using EV Op Profits		2015E	2016E	2017E
EV Operating Profits		5,197	5,735	6,251
COE	11.0%			
Terminal Growth	4.0%			
PV of 3 year EV Op Profits*		5,197	5,167	6,251
PV of Terminal Value @11%				72,477
Valuation @11% COE/Discount Rate				89,092
Weighted Number of Shares				12,009
Valuation per share US\$				7.42
Valuation per share HK\$				57.50

Source: UBS estimates

Figure 6: AIA's 12-month forward target P/EV vs Chinese peers



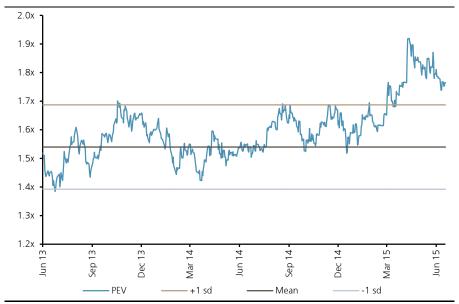
Source: Company data, UBS estimates. Data as of 18 June 2015.

Figure 7: Company current price valuation

		Target			Market	CP implied	PT implied
		price	Price	Upside	сар	P/EV (x)	P/EV (x)
Company	Rating	(LC)	(LC)	%	US\$m	15E	15E
China Life	Neutral	39.00	33.95	15%	123,772	1.45	1.67
Ping An	Buy	127.50	110.20	16%	129,917	1.51	1.75
CPIC	Neutral	43.50	38.15	14%	44,591	1.35	1.54
PICC Group	Neutral	5.27	4.70	12%	25,718	1.58	1.77
NCI	Neutral	51.00	47.60	7%	26,152	1.49	1.59
AIA	Buy	57.50	50.50	14%	78,450	1.86	2.12
China Life - A	Buy	47.31	33.43	42%	152,214	1.81	2.57
Ping An - A	Buy	110.43	84.00	31%	123,680	1.46	1.92
CPIC - A	Buy	48.45	30.97	56%	45,210	1.39	2.17

Source: UBS estimates. Data as of 18 June 2015.

Figure 8: 12-month forward target P/EV



Source: Company data, UBS estimates. Data as of 18 June 2015.

Forecast returns

Forecast price appreciation	+13.9%
Forecast dividend yield	1.3%
Forecast stock return	+15.2%
Market return assumption	6.5%
Forecast excess return	+8.7%

Statement of Risk

As a large life insurance company operating in 15 markets around Asia, AIA Group (AIA) is subject to market, regulatory and operational risks. For example, with around 80% of its investment portflio invested in cash and bonds, its returns are sensitive to prevailing interest rates in the economies in which it operates. The group's main reporting currency is US dollar, which also leaves its results sensitive to fluctuations in the currencies of the group's main markets (including Hong Kong and Singapore). One of the primary methodologies used to value the company relies on the group's published embedded value and value of new business numbers. These are subject to many different assumptions and can be adversely impacted by unfavourable outcomes in terms of mortality, morbidity, investment returns, and expenses.

Required Disclosures

This report has been prepared by UBS Securities Asia Limited, an affiliate of UBS AG. UBS AG, its subsidiaries, branches and affiliates are referred to herein as UBS.

For information on the ways in which UBS manages conflicts and maintains independence of its research product; historical performance information; and certain additional disclosures concerning UBS research recommendations, please visit www.ubs.com/disclosures. The figures contained in performance charts refer to the past; past performance is not a reliable indicator of future results. Additional information will be made available upon request. UBS Securities Co. Limited is licensed to conduct securities investment consultancy businesses by the China Securities Regulatory Commission.

Analyst Certification: Each research analyst primarily responsible for the content of this research report, in whole or in part, certifies that with respect to each security or issuer that the analyst covered in this report: (1) all of the views expressed accurately reflect his or her personal views about those securities or issuers and were prepared in an independent manner, including with respect to UBS, and (2) no part of his or her compensation was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed by that research analyst in the research report.

UBS Investment Research: Global Equity Rating Definitions

12-Month Rating	Definition	Coverage ¹	IB Services ²
Buy	FSR is > 6% above the MRA.	45%	37%
Neutral	FSR is between -6% and 6% of the MRA.	43%	33%
Sell	FSR is > 6% below the MRA.	12%	20%
Short-Term Rating	Definition	Coverage ³	IB Services ⁴
Buy	Stock price expected to rise within three months from the time the rating was assigned because of a specific catalyst or event.	less than 1%	less than 1%
Sell	Stock price expected to fall within three months from the time the rating was assigned because of a specific catalyst or event.	less than 1%	less than 1%

Source: UBS. Rating allocations are as of 31 March 2015.

1:Percentage of companies under coverage globally within the 12-month rating category. 2:Percentage of companies within the 12-month rating category for which investment banking (IB) services were provided within the past 12 months. 3:Percentage of companies under coverage globally within the Short-Term rating category. 4:Percentage of companies within the Short-Term rating category for which investment banking (IB) services were provided within the past 12 months.

KEY DEFINITIONS: Forecast Stock Return (FSR) is defined as expected percentage price appreciation plus gross dividend yield over the next 12 months. **Market Return Assumption (MRA)** is defined as the one-year local market interest rate plus 5% (a proxy for, and not a forecast of, the equity risk premium). **Under Review (UR)** Stocks may be flagged as UR by the analyst, indicating that the stock's price target and/or rating are subject to possible change in the near term, usually in response to an event that may affect the investment case or valuation. **Short-Term Ratings** reflect the expected nearterm (up to three months) performance of the stock and do not reflect any change in the fundamental view or investment case. **Equity Price Targets** have an investment horizon of 12 months.

EXCEPTIONS AND SPECIAL CASES: UK and European Investment Fund ratings and definitions are: Buy: Positive on factors such as structure, management, performance record, discount; **Neutral:** Neutral on factors such as structure, management, performance record, discount; **Sell:** Negative on factors such as structure, management, performance record, discount. **Core Banding Exceptions (CBE):** Exceptions to the standard +/-6% bands may be granted by the Investment Review Committee (IRC). Factors considered by the IRC include the stock's volatility and the credit spread of the respective company's debt. As a result, stocks deemed to be very high or low risk may be subject to higher or lower bands as they relate to the rating. When such exceptions apply, they will be identified in the Company Disclosures table in the relevant research piece.

Research analysts contributing to this report who are employed by any non-US affiliate of UBS Securities LLC are not registered/qualified as research analysts with the NASD and NYSE and therefore are not subject to the restrictions contained in the NASD and NYSE rules on communications with a subject company, public appearances, and trading securities held by a research analyst account. The name of each affiliate and analyst employed by that affiliate contributing to this report, if any, follows.

UBS AG Hong Kong Branch: Bob Leung; Judy Chen.

Company Disclosures

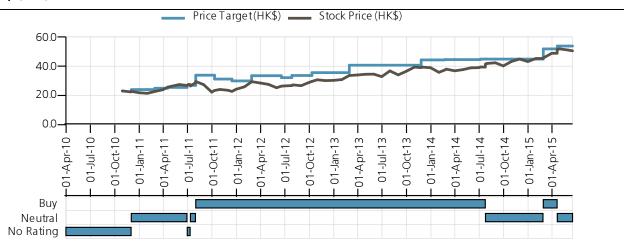
Company Name	Reuters	12-month rating	Short-term rating	Price	Price date
AIA Group ¹⁶	1299.HK	Buy	N/A	HK\$50.50	17 Jun 2015

Source: UBS. All prices as of local market close.

Ratings in this table are the most current published ratings prior to this report. They may be more recent than the stock pricing date

16. UBS Securities (Hong Kong) Limited is a market maker in the HK-listed securities of this company. Unless otherwise indicated, please refer to the Valuation and Risk sections within the body of this report.

AIA Group (HK\$)



Source: UBS; as of 17 Jun 2015

AIA Group 18 June 2015 **Language 19** William 19 June 2015

Global Disclaimer

This document has been prepared by UBS Securities Asia Limited, an affiliate of UBS AG. UBS AG, its subsidiaries, branches and affiliates are referred to herein as UBS.

Global Research is provided to our clients through UBS Neo, the UBS Client Portal and UBS.com (each a "System"). It may also be made available through third party vendors and distributed by UBS and/or third parties via e-mail or alternative electronic means. The level and types of services provided by Global Research to a client may vary depending upon various factors such as a client's individual preferences as to the frequency and manner of receiving communications, a client's risk profile and investment focus and perspective (e.g. market wide, sector specific, long-term, short-term, etc.), the size and scope of the overall client relationship with UBS and legal and regulatory constraints.

When you receive Global Research through a System, your access and/or use of such Global Research is subject to this Global Research Disclaimer and to the terms of use governing the applicable System.

When you receive Global Research via a third party vendor, e-mail or other electronic means, your use shall be subject to this Global Research Disclaimer and to UBS's Terms of Use/Disclaimer (http://www.ubs.com/global/en/legalinfo2/disclaimer.html). By accessing and/or using Global Research in this manner, you are indicating that you have read and agree to be bound by our Terms of Use/Disclaimer. In addition, you consent to UBS processing your personal data and using cookies in accordance with our Privacy Statement (http://www.ubs.com/global/en/legalinfo2/privacy.html) and cookie notice (http://www.ubs.com/global/en/homepage/cookies/cookie-management.html).

If you receive Global Research, whether through a System or by any other means, you agree that you shall not copy, revise, amend, create a derivative work, transfer to any third party, or in any way commercially exploit any UBS research provided via Global Research or otherwise, and that you shall not extract data from any research or estimates provided to you via Global Research or otherwise, without the prior written consent of UBS.

For access to all available Global Research on UBS Neo and the Client Portal, please contact your UBS sales representative

This document is for distribution only as may be permitted by law. It is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation or would subject UBS to any registration or licensing requirement within such jurisdiction. It is published solely for information purposes; it is not an advertisement nor is it a solicitation or an offer to buy or sell any financial instruments or to participate in any particular trading strategy. No representation or warranty, either expressed or implied, is provided in relation to the accuracy, completeness or reliability of the information contained in this document ('the Information'), except with respect to Information concerning UBS. The Information is not intended to be a complete statement or summary of the securities, markets or developments referred to in the document. UBS does not undertake to update or keep current the Information. Any opinions expressed in this document may change without notice and may differ or be contrary to opinions expressed by other business areas or groups of UBS. Any statements contained in this report attributed to a third party represent UBS's interpretation of the data, information and/or opinions provided by that third party either publicly or through a subscription service, and such use and interpretation have not been reviewed by the third party.

Nothing in this document constitutes a representation that any investment strategy or recommendation is suitable or appropriate to an investor's individual circumstances or otherwise constitutes a personal recommendation. Investments involve risks, and investors should exercise prudence and their own judgement in making their investment decisions. The financial instruments described in the document may not be eligible for sale in all jurisdictions or to certain categories of investors. Options, derivative products and futures are not suitable for all investors, and trading in these instruments is considered risky. Mortgage and asset-backed securities may involve a high degree of risk and may be highly volatile in response to fluctuations in interest rates or other market conditions. Foreign currency rates of exchange may adversely affect the value, price or income of any security or related instrument referred to in the document. For investment advice, trade execution or other enquiries, clients should contact their local sales representative.

The value of any investment or income may go down as well as up, and investors may not get back the full (or any) amount invested. Past performance is not necessarily a guide to future performance. Neither UBS nor any of its directors, employees or agents accepts any liability for any loss (including investment loss) or damage arising out of the use of all or any of the Information.

Any prices stated in this document are for information purposes only and do not represent valuations for individual securities or other financial instruments. There is no representation that any transaction can or could have been effected at those prices, and any prices do not necessarily reflect UBS's internal books and records or theoretical model-based valuations and may be based on certain assumptions. Different assumptions by UBS or any other source may yield substantially different results.

This document and the Information are produced by UBS as part of its research function and are provided to you solely for general background information. UBS has no regard to the specific investment objectives, financial situation or particular needs of any specific recipient. In no circumstances may this document or any of the Information be used for any of the following purposes:

- (i) valuation or accounting purposes;
- (ii) to determine the amounts due or payable, the price or the value of any financial instrument or financial contract; or
- (iii) to measure the performance of any financial instrument.

By receiving this document and the Information you will be deemed to represent and warrant to UBS that you will not use this document or any of the Information for any of the above purposes or otherwise rely upon this document or any of the Information.

Research will initiate, update and cease coverage solely at the discretion of UBS Investment Bank Research Management. The analysis contained in this document is based on numerous assumptions. Different assumptions could result in materially different results. The analyst(s) responsible for the preparation of this document may interact with trading desk personnel, sales personnel and other parties for the purpose of gathering, applying and interpreting market information. UBS relies on information barriers to control the flow of information contained in one or more areas within UBS into other areas, units, groups or affiliates of UBS. The compensation of the analyst who prepared this document is determined exclusively by research management and senior management (not including investment banking). Analyst compensation is not based on investment banking revenues; however, compensation may relate to the revenues of UBS Investment Bank as a whole, of which investment banking, sales and trading are a part.

For financial instruments admitted to trading on an EU regulated market: UBS AG, its affiliates or subsidiaries (excluding UBS Securities LLC) acts as a market maker or liquidity provider (in accordance with the interpretation of these terms in the UK) in the financial instruments of the issuer save that where the activity of liquidity provider is carried out in accordance with the definition given to it by the laws and regulations of any other EU jurisdictions, such information is separately disclosed in this document. For financial instruments admitted to trading on a non-EU regulated market: UBS may act as a market maker save that where this activity is carried out in the US in accordance with the definition given to it by the relevant laws and regulations, such activity will be specifically disclosed in this document. UBS may have issued as warrant the value of which is based on one or more of the financial instruments referred to in the document. UBS and its affiliates and employees may have long or short positions, trade as principal and buy and sell in instruments or derivatives identified herein; such transactions or positions may be inconsistent with the opinions expressed in this document.

United Kingdom and the rest of Europe: Except as otherwise specified herein, this material is distributed by UBS Limited to persons who are eligible counterparties or professional clients. UBS Limited is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority. France: Prepared by UBS Limited and distributed by UBS Limited and UBS Securities France S.A. UBS Securities France S.A. is regulated by the ACPR (Autorité de Contrôle Prudential et de Résolution) and the Autorité des Marchés Financiers (AMF). Where an analyst of UBS Securities France S.A. has contributed to this document, the document is also deemed to have been prepared by UBS Securities France S.A. Germany: Prepared by UBS Limited and distributed by UBS Limited and UBS Deutschland AG. UBS Deutschland AG is regulated by the Bundesanstalt fur Finanzdienstleistungsaufsicht (BaFin). Spain: Prepared by UBS Limited and distributed by UBS Limited and UBS Securities España SV, SA. UBS Securities España SV, SA is regulated by the Comisión Nacional del Mercado de Valores (CNMV). Distributed by UBS Limited. No information in this document is provided for the purpose of offering, marketing and sale by any means of any capital market instruments and services in the Republic of Turkey. Therefore, this document may not be considered as an offer made or to be made to residents of the Republic of Turkey. UBS AG is not licensed by the Turkish Capital Market Board under the provisions of the Capital Market Law (Law No. 6362). Accordingly, neither this document nor any other offering material related to the instruments/services may be utilized in connection with providing any capital market services to persons within the Republic of Turkey without the prior approval of the Capital Market Board. However, according to article 15 (d) (ii) of the Decree No. 32, there is no restriction on the purchase or sale of the securities abroad by residents of the Republic of Turkey. Poland: Distributed by UBS Limited (spolka z ograniczona odpowiedzialnoscia) Oddzial w Polsce regulated by the Polish Financial Supervision Authority. Where an analyst of UBS Limited (spolka z ograniczona odpowiedzialnoscia) Oddzial w Polsce has contributed to this document, the document is also deemed to have been prepared by UBS Limited (spolka z ograniczona odpowiedzialnoscia) Oddzial w Polsce. Russia: Prepared and distributed by UBS Bank (OOO). **Switzerland:** Distributed by UBS AG to persons who are institutional investors only. UBS AG is regulated by the Swiss Financial Market Supervisory Authority (FINMA). **Italy:** Prepared by UBS Limited and distributed by UBS Limited and UBS Italia Sim S.p.A. UBS Italia Sim S.p.A. is regulated by the Bank of Italy and by the Commissione Nazionale per le Società e la Borsa (CONSOB). Where an analyst of UBS Italia Sim S.p.A. has contributed to this document, the document is also deemed to have been prepared by UBS Italia Sim S.p.A. South Africa: Distributed by UBS South Africa (Pty) Limited (Registration No. 1995/011140/07), an authorised user of the JSE and an authorised Financial Services Provider (FSP 7328). Israel: This material is distributed by UBS Limited. UBS Limited is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority. UBS Securities Israel Ltd is a licensed investment Marketer that is supervised by the Israel Securities Authority (ISA). UBS Limited and its affiliates incorporated outside Israel are not licensed under the Israeli Advisory Law. UBS Limited is not covered by insurance as required from a licensee under the Israeli Advisory Law. UBS may engage among others in issuance of Financial Assets or in distribution of Financial Assets of other issuers for fees or other benefits. UBS Limited and its affiliates may prefer various Financial Assets to which they have or may have Affiliation (as such term is defined under the Israeli Advisory Law). Nothing in this Material should be considered as investment advice under the Ísraeli Advisorý Law. This Material is being issued only to and/or is directed only at persons who are Eligible Clients within the meaning of the Israeli Advisory Law, and this material must not be relied on or acted upon by any other persons. Saudi Arabia: This document has been issued by UBS AG (and/or any of its subsidiaries, branches or affiliates), a public company limited by shares, incorporated in Switzerland with its registered offices at Aeschenvorstadt 1, CH-4051 Basel and Bahnhofstrasse 45, CH-8001 Zurich. This publication has been approved by UBS Saudi Arabia (a subsidiary of UBS AG), a Saudi closed joint stock company incorporated in the Kingdom of Saudi Arabia under commercial register number 1010257812 having its registered office at Tatweer Towers, P.O. Box 75724, Riyadh 11588, Kingdom of Saudi Arabia. UBS Saudi Arabia is authorized and regulated by the Capital Market Authority to conduct securities business under license number Dubai: The information distributed by UBS AG Dubai Branch is intended for Professional Clients only and is not for further distribution within the United United States: Distributed to US persons by either UBS Securities LLC or by UBS Financial Services Inc., subsidiaries of UBS AG; or by a group, subsidiary or affiliate of UBS AG that is not registered as a US broker-dealer (a 'non-US affiliate') to major US institutional investors only. UBS Securities LLC or UBS Financial Services Inc. accepts responsibility for the content of a document prepared by another non-US affiliate when distributed to US persons by UBS Securities LLC or UBS Financial Services Inc. All transactions by a US person in the securities mentioned in this document must be effected through UBS Securities LLC or UBS Financial Services Inc., and not through a non-US affiliate. **Canada:** Distributed by UBS Securities Canada Inc., a registered investment dealer in Canada and a Member-Canadian Investor Protection Fund, or by another affiliate of UBS AG that is registered to conduct business in Canada or is otherwise exempt from registration. Except as otherwise specified herein, this material is prepared by UBS Brasil CCTVM S.A. to persons who are eligible investors residing in Brazil, which are considered to be: (i) financial institutions, (ii) insurance firms and investment capital companies, (iii) supplementary pension entities, (iv) entities that hold financial investments higher than R\$300,000.00 and that confirm the status of qualified investors in written, (v) investment funds, (vi) securities portfolio managers and securities consultants duly authorized by Comissão de Valores Mobiliários (CVM), regarding their own investments, and (vii) social security systems created by the Federal Government, States, and Municipalities. **Hong Kong:** Distributed by UBS Securities Asia Limited and/or UBS AG, Hong Kong Branch. **Singapore:** Distributed by UBS Securities Pte. Ltd. [MCI (P) 016/09/2014 and Co. Reg. No.: 198500648C] or UBS AG, Singapore Branch. Please contact UBS Securities Pte. Ltd., an exempt financial adviser under the Singapore Financial Advisers Act (Cap. 110); or UBS AG, Singapore Branch, an exempt financial adviser under the Singapore Financial Advisers Act (Cap. 110) and a wholesale bank licensed under the Singapore Banking Act (Cap. 19) regulated by the Monetary Authority of Singapore, in respect of any matters arising from, or in connection with, the analysis or document. The recipients of this document represent and warrant that they are accredited and institutional investors as defined in the Securities and Futures Act (Cap. 289). **Japan:** Distributed by UBS Securities Japan Co., Ltd. to professional investors (except as otherwise permitted). Where this document has been prepared by UBS Securities Japan Co., Ltd., UBS Securities Japan Co., Ltd. is the author, publisher and distributor of the document. Distributed by UBS AG, Tokyo Branch to Professional Investors (except as otherwise permitted) in relation to foreign exchange and other banking businesses when relevant. Australia: Clients of UBS AG: Distributed by UBS AG (Holder of Australian Financial Services License No. 231087). Clients of UBS Securities Australia Ltd: Distributed by UBS Securities Australia Ltd: (Holder of Australian Financial Services License No. 231098). Clients of UBS Wealth Management Australia Ltd: Distributed by UBS Wealth Management Australia Ltd (Holder of Australian Financial Services License No. 231127). This Document contains general information and/or general advice only and does not constitute personal financial product advice. As such, the Information in this document has been prepared without taking into account any investor's objectives, financial situation or needs, and investors should, before acting on the Information, consider the appropriateness of the Information, having regard to their objectives, financial situation and needs. If the Information contained in this document relates to the acquisition, or potential acquisition of a particular financial product by a 'Retail' client as defined by section 761G of the Corporations Act 2001 where a Product Disclosure Statement would be required, the retail client should obtain and consider the Product Disclosure Statement relating to the product before making any decision about whether to acquire the product. The UBS Securities Australia Limited Financial Services Guide is available at: www.ubs.com/ecs-research-fsg. **New Zealand:** Distributed by UBS New Zealand Ltd. The information and recommendations in this publication are available at: www.ubs.com/ecs-research-fsg. **New Zealand:** Distributed by UBS New Zealand Ltd. The information and recommendations in this publication are provided for general information purposes only. To the extent that any such information or recommendations constitute financial advice, they do not take into account any person's particular financial situation or goals. We recommend that recipients seek advice specific to their circumstances from their financial advisor. Distributed in Korea by UBS Securities Pte. Ltd., Seoul Branch. This document may have been edited or contributed to from time to time by affiliates of UBS Securities Pte. Ltd., Seoul Branch. Malaysia: This material is authorized to be distributed in Malaysia by UBS Securities Malaysia Sdn. Bhd (Capital Markets Services License No. CMSI/A0063/2007). This material is intended for professional/institutional clients only and not for distribution to any retail clients. **India:** Prepared by UBS Securities India Private Ltd. (Corporate Identity Number U67120MH1996PTC097299) 2/F, 2 North Avenue, Maker Maxity, Bandra Kurla Complex, Bandra (East), Mumbai (India) 400051. Phone: +912261556000. It provides brokerage services bearing SEBI Registration Numbers: NSE (Capital Market Segment): INB230951431, NSE (F&O Segment) INF230951431, NSE (Currency Derivatives Segment) INF230951431, NSE (Capital Market Segment) INF230951437; merchant banking services bearing SEBI Registration Number: INM000010809 and research services. UBS AG, its affiliates or subsidiaries may have debt holdings or positions in the subject Indian company/companies. Within the past 12 months, UBS AG, its affiliates or subsidiaries may have received compensation for non-investment banking securities-related services and/or non-securities services from the subject Indian company/companies. With regard to information on associates, please refer Annual Report at: http://www.ubs.com/global/en/about_ubs/investor_relations/annualreporting.html

The disclosures contained in research documents produced by UBS Limited shall be governed by and construed in accordance with English law.

UBS specifically prohibits the redistribution of this document in whole or in part without the written permission of UBS and UBS accepts no liability whatsoever for the actions of third parties in this respect. Images may depict objects or elements that are protected by third party copyright, trademarks and other intellectual property rights. © UBS 2015. The key symbol and UBS are among the registered and unregistered trademarks of UBS. All rights reserved.

