

## Change in reference data source to occur on September 30, 2017

### Reference data source to change starting Sep 30

Effective September 30, 2017, the reference data source used to compile the BofA Merrill Lynch Bond and Convertible Indices will change to ICE Data Services (“IDS”). Qualifying constituents for the month of October will be selected using the new source. Historical index constituencies and returns will be unaffected by this change.

### Change in data source expected to have minimal impact

Based on our pro-forma analysis, the change in reference data source will have an immaterial impact on the composition and risk structure of the indices. Projected changes in market value, yield and duration for a selection of our most important indices covering a wide range of our bond universe are provided in Table 1 below. With such a close match on the index structure, and given that we are not changing our primary price source (currently IDS<sup>1</sup>), we also do not anticipate any material impact on the total return performance of the indices going forward.

**Table 1: Pro-forma impact on index structure (based on projected August 31, 2017 rebalancing)**

Index	Ticker	# bonds			# bonds pro-forma	% chg # bonds	% chg MktVal	Chg Dur to worst (yrs)	Chg YTW (bps)
		current	Add	Remove					
Global Broad IG	GBMI	24,832	84	186	24,730	-0.4%	-0.1%	0.01	-0.01
Global Govt	WOG1	1,000	0	0	1,000	0.0%	0.1%	0.00	-0.01
US Broad IG	US00	13,832	23	53	13,802	-0.2%	-0.2%	0.00	0.00
US Corp IG	COA0	7,377	20	21	7,376	0.0%	-0.2%	0.00	-0.01
Euro Broad IG	EMU0	4,730	20	15	4,735	0.1%	-0.4%	-0.01	-0.01
Euro Corp IG	ER00	2,574	7	7	2,574	0.0%	0.1%	-0.02	-0.02
Sterling Broad IG	UK00	1,141	8	0	1,149	0.7%	0.1%	0.01	0.00
US Muni	U0A0	17,299	2	89	17,212	-0.5%	-0.3%	0.00	0.01
Global HY	HW00	3,137	22	22	3,137	0.0%	-0.2%	0.00	-0.04
US HY	HOA0	1,880	12	15	1,877	-0.2%	-0.2%	0.01	0.00
Euro HY	HE00	475	3	2	476	0.2%	-0.1%	-0.01	0.00

Source: BofA Merrill Lynch Bond Indices

Bond Indices  
Global

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#### Access to BofA Merrill Lynch Bond Indices

##### On Bloomberg

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##### On Mercury (institutional client website):

www.baml.com/mercury

##### Public website:

www.mlindex.ml.com

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<sup>1</sup> Evaluated prices are provided by the IDS business, Interactive Data Pricing and Reference Data, LLC.

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Timestamp: 10 August 2017 11:45AM EDT

## Change in reference data source

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Effective September 30, 2017, the reference data source used to compile the BofA Merrill Lynch Bond and Convertible Indices will change to ICE Data Services (“IDS”). Qualifying constituents for the month of October will be selected using the new source. In addition, we will switch to using Price/Yield calculators provided by the IDS BondEdge analytics platform.

Based on our pro-forma comparisons of index constituencies as of August 31, 2017 using the current and new reference data sources and Price/Yield calculators (“Pro-Forma Analyses”), the impact on the composition and risk structure of the indices is expected to be immaterial when the source change is implemented. Detailed comparisons provided in this report for a wide range of indices covering the full spectrum of our bond universe show that the projected changes in market value, yield and duration will generally be minimal. With such a close match on the index structure, and given that we are not changing our primary price source (currently IDS<sup>2</sup>), we also do not anticipate any material impact on the total return performance of the indices going forward.

The following sections provide Pro-Forma Analyses for each of our major markets of coverage.

- High yield indices (p 4)
- US High Grade Indices (p 5)
- Europe High Grade Indices (p 6)
- Global and other Regional High Grade Indices (p 7)
- US Municipal Securities Indices (p 8)
- Emerging Markets Indices (p 9)
- Contingent Capital, Convertible and Preferred Indices (p 10)

## Other important changes in constituent data

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### Country of Risk

As a part of the switch to IDS reference data we will be adopting a modified rule for determining a constituent security’s country of risk as outlined below. The new methodology is not a major departure from the current approach. Nonetheless there will be some differences that result from implementation of the new methodology. The new methodology is as follows:

- Sovereign debt (both local and foreign currency debt): the country of risk is the same as the issuing country
- Agency and Local Authority debt: the country of risk is the country in which the obligor resides
- Supranational debt: the country of risk is “Supranational”

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<sup>2</sup> Evaluated prices are provided by the IDS business, Interactive Data Pricing and Reference Data, LLC.

- Collateralized and securitized asset classes: the country of risk is based on the location of the underlying collateral
- Corporate debt: the country of risk is based on the physical location of the issuer's operating headquarters with the following exceptions:
  - Holding company issuers are assigned a country of risk based on the location of the majority of operating assets. If no single country represents a majority of operating assets, or if this cannot be determined, the country of risk is the issuer's operating headquarters
  - Bank branch issues are assigned the country of risk of the parent entity
- Securities with a guarantee are assigned the guarantor's country of risk
- For indirect corporate and government issuers such as Sukuks and loan participation notes, the country of risk is based on the obligor
- Convertible securities are assigned the country of risk of the underlying equity. The equity country of risk is assigned in the same manner as Corporate debt as described above.

## Issuer ratings

For quasi-government securities, in the absence of an individual bond rating from any of the three major rating agencies (Moody's, S&P and Fitch) our composite rating algorithm makes use of issuer ratings, where available. Our current reference data source has derived issuer ratings based on ratings of other individual bonds from the same issuer. Going forward we will no longer make use of derived issuer ratings and will only use issuer ratings that have been assigned by the three rating agencies themselves. This change will have the greatest impact in the Japan Quasi-Government sector where roughly 100 constituents currently in the index have no bond or issuer ratings from any of the three rating agencies.

## High Yield Indices

Our Pro-Forma Analysis shows that the Global High Yield Index would see a total of 44 constituent changes (out of 3,137). The projected turnover would cause a 0.2% change in market value, with yield decreasing 4bp and no change in duration. The differences in the US High Yield Index are comparable, with just 27 changes in constituent bonds out of a universe of close to 2,000. Of those changes, 6 are attributed to our modified country of risk methodology described on pages 2 and 3 of this report. Most of the key global, US and European high yield indices in Table 2 below are estimated to see changes in market value, yield and duration of 0.05%/0.05 years or less.

**Table 2: Pro-forma impact on index structure (based on projected August 31, 2017 rebalancing) – key High Yield indices**

Index	Ticker	# bonds current	Add	Remove	# bonds pro-forma	% chg # bonds	% chg MktVal	Chg Dur to worst (yrs)	Chg YTW (bps)
<b>Global Indices:</b>									
Global High Yield Index	HW00	3,137	22	22	3,137	0.0%	-0.2%	0.00	-0.04
Global High Yield Constrained Index	HW0C	3,137	22	22	3,137	0.0%	-0.2%	0.00	-0.04
Global ex-US Issuers High Yield Constrained Index	HXUS	1,498	18	17	1,499	0.1%	-0.2%	0.01	-0.06
<b>US Indices:</b>									
US High Yield Index	H0A0	1,880	12	15	1,877	-0.2%	-0.2%	0.01	0.00
US High Yield Constrained Index	HUC0	1,880	12	15	1,877	-0.2%	-0.2%	0.01	0.00
0-5 Year US High Yield Constrained Index	HUCD	854	7	8	853	-0.1%	-0.2%	0.01	0.01
BB US High Yield Index	H0A1	832	6	11	827	-0.6%	-0.8%	0.01	-0.03
Single-B US High Yield Index	H0A2	727	6	4	729	0.3%	0.4%	0.01	0.02
CCC & Lower US High Yield Index	H0A3	321	2	2	321	0.0%	0.0%	0.02	0.04
BB-B US High Yield Index	H0A4	1,559	10	13	1,556	-0.2%	-0.3%	0.01	0.00
US Fallen Angel High Yield Index	H0FA	233	0	2	231	-0.9%	0.0%	0.02	0.04
US Distressed High Yield Index	H0DI	111	2	1	112	0.9%	0.5%	-0.01	-0.04
US Cash Pay High Yield Index	JOA0	1,855	15	15	1,855	0.0%	-0.2%	0.00	0.01
US Cash Pay High Yield Constrained Index	JUC0	1,855	15	15	1,855	0.0%	-0.2%	0.00	0.01
BB-B US Cash Pay High Yield Constrained Index	JUC4	1,556	10	13	1,553	-0.2%	-0.3%	0.01	0.00
US High Yield Energy Index	H0EN	318	3	2	319	0.3%	0.4%	-0.03	-0.07
US High Yield Metals & Mining Index	H0ME	88	1	0	89	1.1%	-0.3%	-0.02	0.05
US Diversified Crossover Corporate Index	XOVD	4,533	22	17	4,538	0.1%	0.1%	0.03	-0.02
<b>Europe Indices:</b>									
European Currency High Yield Index	HP00	606	4	3	607	0.2%	0.0%	-0.01	0.01
European Currency High Yield Constrained Index	HPC0	606	4	3	607	0.2%	0.0%	-0.02	0.01
European Currency Non-Financial High Yield 3% Constrained Index	HPID	506	2	2	506	0.0%	0.0%	-0.02	0.00
European Currency High Yield Excluding Subordinated Financials Constrained Index	HPS2	546	2	2	546	0.0%	-0.1%	-0.02	0.00
Euro High Yield Constrained Index	HEC0	475	3	2	476	0.2%	-0.1%	-0.01	0.00
Euro High Yield Index	HE00	475	3	2	476	0.2%	-0.1%	-0.01	0.00
BB Euro High Yield Index	HE10	322	1	1	322	0.0%	-0.1%	0.00	-0.04
Single-B Euro High Yield Index	HE20	125	3	2	126	0.8%	0.0%	-0.01	0.02
CCC & Lower Euro High Yield Index	HE30	28	1	1	28	0.0%	-0.4%	-0.12	0.76
BB-B Euro High Yield Constrained Index	HEC4	447	3	2	448	0.2%	0.0%	-0.01	-0.03
BB-B Euro Non-Financial High Yield Constrained Index	HEC5	375	3	1	377	0.5%	0.1%	-0.01	-0.03
Sterling High Yield Index	HL00	131	1	1	131	0.0%	0.0%	-0.04	0.06

Source: BofA Merrill Lynch Bond Indices

## US High Grade Indices

A Pro-Forma Analysis of the US Broad Market Index shows that it would have fewer than 100 constituents change out of a universe of almost 14,000. The estimated turnover rate is so small that there is no impact on the index yield or duration. The same is true of the main segment of the Index with the Corporate, ABS, CMBS, Foreign Government and Taxable Muni sector yields and durations all within +/-0.01. And, based on the Pro-Forma Analysis, there would be no changes at all in the constituencies of the US Treasury and MBS indices.

**Table 3: Pro-forma impact on index structure (based on projected August 31, 2017 rebalancing) – key US investment grade indices**

Index	Ticker	# bonds current	Add	Remove	# bonds pro-forma	% chg # bonds	% chg MktVal	Chg Dur to worst (yrs)	Chg YTW (bps)
US Broad Market Index	US00	13,832	23	53	13,802	-0.2%	-0.2%	0.00	0.00
US Corporate, Government & Mortgage Index	D0A0	9,576	23	31	9,568	-0.1%	-0.1%	0.00	0.00
US Corporate & Government Index	B0A0	9,055	26	31	9,050	-0.1%	-0.2%	0.00	-0.01
US Treasury Index	G0Q0	255	0	0	255	0.0%	0.0%	0.00	0.00
US Mortgage Backed Securities Index	M0A0	410	0	0	410	0.0%	0.0%	0.00	0.00
US Fixed Rate Asset Backed Securities Index	R0A0	1,557	0	10	1,547	-0.6%	0.2%	-0.01	-0.01
US Fixed Rate CMBS Index	CMBS	2,702	0	14	2,688	-0.5%	-0.9%	0.01	-0.01
US Foreign Government & Supranational Index	GS00	697	5	7	695	-0.3%	-1.7%	0.01	-0.01
US Taxable Municipal Securities Index	DQTM	300	0	0	300	0.0%	0.0%	0.01	0.00
US Corporate Index	C0A0	7,377	20	21	7,376	0.0%	-0.2%	0.00	-0.01
US Financial Index	CF00	1,757	1	11	1,747	-0.6%	-0.7%	-0.01	-0.01
US Industrial Index	CI00	4,671	16	10	4,677	0.1%	-0.1%	-0.01	0.00
US Utility Index	C0Q0	949	5	2	952	0.3%	0.3%	-0.02	-0.06
US Auto Group Index	CIAU	201	0	0	201	0.0%	0.0%	0.00	0.00
US Banking Index	C0P0	1,078	1	6	1,073	-0.5%	-0.5%	-0.02	-0.01
US Consumer Goods Index	CICS	448	0	0	448	0.0%	0.0%	0.00	0.00
US Corporate Basic Industry Index	CIBS	386	0	0	386	0.0%	-0.5%	0.03	0.00
US Corporate Capital Goods Index	CICP	393	1	0	394	0.3%	0.1%	0.00	0.00
US Energy Index	CIEN	849	1	4	846	-0.4%	-0.5%	-0.01	-0.01
US Financial Services Index	CFFS	248	1	2	247	-0.4%	-1.5%	0.00	-0.01
US Healthcare Index	CHCR	586	1	2	585	-0.2%	-0.1%	-0.01	0.00
US Insurance Index	CFIE	431	1	5	427	-0.9%	-1.1%	0.04	-0.01
US Leisure Index	CILE	30	0	0	30	0.0%	0.0%	0.00	0.00
US Media Index	CIME	239	0	0	239	0.0%	0.0%	0.00	0.00
US Real Estate Index	CIRE	321	1	5	317	-1.2%	-1.4%	-0.10	-0.01
US Retail Index	CIRL	265	1	0	266	0.4%	0.1%	0.00	0.00
US Services Index	CISE	123	1	0	124	0.8%	0.2%	0.01	0.01
US Technology & Electronics Index	CITE	386	0	0	386	0.0%	0.0%	0.00	0.00
US Telecommunications Index	C0R0	215	3	0	218	1.4%	0.6%	-0.01	0.00
US Transportation Index	C0W0	229	9	1	237	3.5%	2.2%	-0.08	-0.02

Source: BofA Merrill Lynch Bond Indices

## Europe High Grade Indices

The Euro Broad Market Index Pro-Forma Analysis shows 35 out of 4,730 constituent changes with a 0.01 year change in duration and a 1bp change in yield. In the Non-Financials segment, most of the sector sub-indices would have just a few bonds turn over. The rate of turnover is slightly higher in the Financials segment but the impact on market value (unch.), duration (-0.03 years) and yield (-3bp) are also slight. The Sterling Broad Market Index Pro-Forma Analysis shows 8 constituent changes leading to a 0.01 year change in duration and no change in yield. No changes are anticipated in either the Euro Government or UK Gilt Indices.

**Table 4: Pro-forma impact on index structure (based on projected August 31, 2017 rebalancing) – key Europe investment grade indices**

Index	Ticker	# bonds current	Add	Remove	# bonds pro-forma	% chg # bonds	% chg MktVal	Chg Dur to worst (yrs)	Chg YTW (bps)
<b>Euro Indices:</b>									
Euro Broad Market Index	EMU0	4,730	20	15	4,735	0.1%	-0.4%	-0.01	-0.01
Euro Government Index	EG00	341	0	0	341	0.0%	-1.1%	-0.03	-0.01
Euro Quasi-Government Index	EQ00	976	10	6	980	0.4%	1.0%	0.14	0.01
Euro Securitized/Collateralized Index	EL00	839	4	3	840	0.1%	0.5%	-0.02	-0.01
Euro Corporate Index	ER00	2,574	7	7	2,574	0.0%	0.1%	-0.02	-0.02
Euro Financial Index	EB00	838	4	5	837	-0.1%	0.0%	-0.03	-0.03
Euro Non-Financial Index	EN00	1,736	4	3	1,737	0.1%	0.1%	-0.02	-0.01
Euro Industrials Index	EJ00	1,413	4	3	1,414	0.1%	0.1%	-0.02	-0.01
Euro Auto Group Index	EJAU	140	0	0	140	0.0%	-0.5%	0.01	0.00
Euro Basic Industry Index	EJBS	168	2	0	170	1.2%	1.2%	0.00	0.00
Euro Capital Goods Index	EJCP	97	0	2	95	-2.1%	-1.7%	-0.09	-0.05
Euro Consumer Goods Index	EJCS	162	0	0	162	0.0%	0.0%	0.00	0.00
Euro Energy Index	EJEN	122	1	2	121	-0.8%	0.0%	-0.02	0.00
Euro Healthcare Index	EJHC	117	0	0	117	0.0%	0.0%	-0.05	-0.02
Euro Leisure Index	EJLE	9	0	0	9	0.0%	0.0%	0.00	0.00
Euro Media Index	EJME	39	2	1	40	2.6%	2.1%	-0.06	-0.02
Euro Real Estate Index	EJRE	125	2	0	127	1.6%	1.8%	-0.02	-0.01
Euro Retail Index	EJRL	50	0	0	50	0.0%	0.0%	0.00	0.00
Euro Services Index	EJSE	37	1	3	35	-5.4%	-7.2%	0.05	0.05
Euro Telecommunications Index	EJTC	164	0	0	164	0.0%	0.0%	0.00	0.00
Euro Technology & Electronics Index	EJTE	44	0	0	44	0.0%	0.0%	-0.08	0.00
Euro Transportation Index	EJTR	139	1	0	140	0.7%	1.1%	0.01	0.00
Euro Utility Index	EK00	323	0	0	323	0.0%	0.5%	-0.03	-0.03
<b>Sterling Indices:</b>									
Sterling Broad Market Index	UK00	1,141	8	0	1,149	0.7%	0.1%	0.01	0.00
UK Gilt Index	G0L0	41	0	0	41	0.0%	0.0%	0.00	0.00
Sterling Non-Gilt Index	UN00	1,100	8	0	1,108	0.7%	0.4%	0.05	0.01
Sterling Corporate & Collateralized Index	UC00	931	6	0	937	0.6%	0.4%	0.03	0.01
Sterling Corporate Index	UR00	745	3	0	748	0.4%	0.2%	0.01	0.00

Source: BofA Merrill Lynch Bond Indices

## Global and other Regional High Grade Indices

The Global Broad Market Index Pro-Forma Analysis shows a total of just 270 constituent changes out of a current universe of almost 25,000 bonds. We do not anticipate any changes in the Global Government and Global Inflation-Linked Indices. Among the regional indices not covered in the previous section of this report, Japan would see the most changes. However, most of the removals are the result of the change in methodology concerning quasi-government issuer ratings as described on page 3 of this report.

**Table 5: Pro-forma impact on index structure (based on projected August 31, 2017 rebalancing) – key Global and other Regional investment grade indices**

Index	Ticker	# bonds current	Add	Remove	# bonds pro-forma	% chg # bonds	% chg MktVal	Chg Dur to worst (yrs)	Chg YTW (bps)
Global Broad Market Index	GBMI	24,832	84	186	24,730	-0.4%	-0.1%	0.01	-0.01
Global Government Index	WOG1	1,000	0	0	1,000	0.0%	0.1%	0.00	-0.01
Global Inflation-Linked Government Index	WOGI	129	0	0	129	0.0%	0.3%	0.00	0.00
Global Corporate Index	G0BC	12,979	52	47	12,984	0.0%	-0.1%	-0.01	-0.01
Australia Broad Market Index	AUD0	535	1	2	534	-0.2%	-0.5%	-0.01	0.00
Australia Corporate Index	AUC0	271	0	0	271	0.0%	0.6%	-0.01	0.00
Australia Quasi-Government Index	AUQ0	242	1	2	241	-0.4%	-1.4%	-0.03	-0.01
Canada Broad Market Index	CAN0	1,381	21	14	1,388	0.5%	-1.7%	0.00	-0.01
Canadian Provincial & Municipal Index	G0CP	457	16	4	469	2.6%	-1.9%	-0.06	-0.02
Canada Corporate Index	F0C0	891	5	10	886	-0.6%	-2.9%	0.10	0.00
Japan Broad Market Index	JP00	2,300	5	97	2,208	-4.0%	0.8%	0.03	0.00
Japan Government Index	G0Y0	270	0	0	270	0.0%	1.5%	0.01	0.00
Japan Corporate Index	JC00	503	5	0	508	1.0%	2.1%	-0.05	-0.03
Japan Quasi-Government Index	JQ00	1,527	0	97	1,430	-6.4%	-10.2%	0.14	0.01

Source: BofA Merrill Lynch Bond Indices

## US Municipal Securities Indices

The Pro-Forma Analysis shows fewer than 100 changes in the constituency of the 17,000+ bond US Municipal Securities Index (U0A0). Most of the differences are concentrated in the Local Municipal Securities Index (U0AB), but even that index would see very modest changes in duration (-0.02 years) and yield (+3bp). The turnover rate will be slightly higher in the Municipal High Yield Index (U0HY), but also with very minor changes in duration (-0.04 years) and yield (-4bp) (based on the Pro-Forma Analysis).

**Table 6: Pro-forma impact on index structure (based on projected August 31, 2017 rebalancing) – key US Municipal securities indices**

Index	Ticker	# bonds current	Add	Remove	# bonds pro-forma	% chg # bonds	% chg MktVal	Chg Dur to worst (yrs)	Chg YTW (bps)
US Taxable Municipal Securities Plus Index	TXBL	9,433	14	52	9,395	-0.4%	-0.2%	-0.01	-0.01
US Municipal Securities Index	U0A0	17,299	2	89	17,212	-0.5%	-0.3%	0.00	0.01
US General Obligation Municipal Securities Index	U0AG	5,386	1	39	5,348	-0.7%	-0.3%	0.00	0.01
US State Municipal Securities Index	U0AA	2,919	7	6	2,920	0.0%	-0.1%	0.01	0.00
US Local Municipal Securities Index	U0AB	2,461	5	57	2,409	-2.1%	-0.9%	-0.02	0.03
US Insured Bond Municipal Securities Index	U0D0	1,241	2	17	1,226	-1.2%	-0.8%	-0.09	0.11
US Pre-Refunded Municipal Securities Index	U0AF	891	0	3	888	-0.3%	-0.2%	0.00	0.00
California Including Puerto Rico Municipal Securities Index	U0C0	2,901	0	20	2,881	-0.7%	-0.3%	-0.02	0.02
California Long-Term Core Plus Municipal Securities Index	UCAP	943	0	5	938	-0.5%	-0.5%	0.00	0.00
National Long-Term Core Plus Municipal Securities Index	UNAP	5,348	0	24	5,324	-0.4%	-0.2%	0.00	0.01
New York Including Puerto Rico Municipal Securities Index	U0N0	2,911	1	9	2,903	-0.3%	-0.2%	0.00	0.01
New York Long-Term Core Plus Municipal Securities Index	UNYP	897	0	2	895	-0.2%	-0.2%	0.01	0.02
US Non-Refunded Airport Municipal Securities Index	UPAV	688	0	0	688	0.0%	-0.1%	0.00	0.02
US Non-Refunded Education Municipal Securities Index	UPAE	992	0	0	992	0.0%	0.0%	0.00	0.00
US Non-Refunded Health Municipal Securities Index	UPHL	1,086	0	4	1,082	-0.4%	-0.3%	0.02	0.07
US Non-Refunded Hospital Municipal Securities Index	UPAH	446	0	3	443	-0.7%	-0.6%	0.03	0.04
US Non-Refunded Industrial Revenue Municipal Securities Index	UPID	100	0	0	100	0.0%	0.0%	0.01	0.05
US Non-Refunded Leasing & Rental Municipal Securities Index	UPAL	1,020	1	1	1,020	0.0%	0.1%	0.00	0.02
US Non-Refunded Miscellaneous Municipal Securities Index	UPAM	172	0	0	172	0.0%	0.0%	0.00	0.00
US Non-Refunded Multi-Family Municipal Securities Index	UPMH	128	0	5	123	-3.9%	-3.8%	-0.12	0.05
US Non-Refunded Pollution Control Municipal Securities Index	UPAQ	74	0	0	74	0.0%	1.0%	-0.01	0.06
US Non-Refunded Power Municipal Securities Index	UPOW	518	0	0	518	0.0%	0.2%	0.00	0.00
US Non-Refunded Single-Family Housing Municipal Securities Index	UPSH	139	0	0	139	0.0%	3.2%	0.20	-0.01
US Non-Refunded Tax Revenue Municipal Securities Index	UPTX	1,966	0	20	1,946	-1.0%	-1.4%	-0.02	0.02
US Non-Refunded Tobacco Municipal Securities Index	UPTB	92	0	0	92	0.0%	-0.4%	-0.16	-0.08
US Non-Refunded Toll & Turnpike Municipal Securities Index	UPTL	696	0	9	687	-1.3%	-1.4%	-0.02	0.01
US Non-Refunded Transportation Municipal Securities Index	UPAT	1,162	0	1	1,161	-0.1%	-0.2%	0.00	0.01
US Non-Refunded Utility Municipal Securities Index	UPUT	994	1	1	994	0.0%	0.2%	-0.01	0.00
US Non-Refunded Water Municipal Securities Index	UPAW	849	0	1	848	-0.1%	-0.3%	0.03	0.02
US Non-Refunded Revenue Municipal Securities Index	UPAR	11,122	2	45	11,079	-0.4%	-0.4%	0.00	0.02
US Municipal High Yield Securities Index	U0HY	1,407	0	14	1,393	-1.0%	-0.4%	-0.04	0.08

Source: BofA Merrill Lynch Bond Indices



## Emerging Markets Indices

Our Pro-Forma Analysis indicates the Emerging Markets external sovereign indices would only see a few changes in their constituent holdings. Turnover would be a little higher in the external non-sovereign indices with a total of 16 bonds added and 12 removed (based on the Pro-Forma Analysis).

**Table 7: Pro-forma impact on index structure (based on projected August 31, 2017 rebalancing) – key Emerging Markets indices**

Index	Ticker	# bonds current	Add	Remove	# bonds pro-forma	% chg # bonds	% chg MktVal	Chg Dur to worst (yrs)	Chg YTW (bps)
Emerging Markets External Sovereign Index	EMGB	550	1	3	548	-0.4%	-1.3%	-0.10	-0.04
BBB & Lower Sovereign External Debt Index	IP00	458	1	2	457	-0.2%	-1.7%	-0.11	-0.04
BBB & Lower Sovereign USD External Debt Index	IGOV	394	1	2	393	-0.3%	-1.9%	-0.11	-0.03
0-5 Year EM USD Government Bond ex-144a Index	EMSG	203	1	3	201	-1.0%	-0.5%	0.01	0.02
Emerging Markets Corporate Plus Index	EMCB	2,036	16	12	2,040	0.2%	-0.3%	0.00	-0.08
Diversified High Yield US Emerging Markets Corporate Plus Index	EMLH	610	10	12	608	-0.3%	-0.4%	0.03	-0.18
Local Debt Markets Plus Index	LDMP	500	3	0	503	0.6%	1.8%	0.11	-0.02
Diversified Local Emerging Markets Non-Sovereign Index	LOCL	279	3	2	280	0.4%	-0.5%	-0.04	-0.02
Asian Dollar High Yield Corporate Index	ACHY	225	1	5	221	-1.8%	-5.8%	-0.06	0.01
Asian Dollar Investment Grade Corporate Index	ACIG	645	5	3	647	0.3%	0.2%	0.01	0.00

Source: BofA Merrill Lynch Bond Indices

## Contingent Capital, Convertible and Preferred Indices

Our Pro-Forma Analysis indicates four bonds would be removed from the Contingent Capital Securities Index with all of the changes taking place in the high yield component. There would be a comparable number of changes in the Convertible and Preferred Securities Indices.

**Table 8: Pro-forma impact on index structure (based on projected August 31, 2017 rebalancing) – key Contingent Capital, Convertible and Preferred securities indices**

Index	Ticker	# bonds current	Add	Remove	# bonds pro-forma	% chg # bonds	% chg MktVal	Chg Dur to worst (yrs)	Chg YTW (bps)
<b>Contingent Capital Securities Indices:</b>									
Contingent Capital Index	COCO	150	0	4	146	-2.7%	-1.3%	0.08	-0.01
High Yield Contingent Capital Index	COHY	113	0	4	109	-3.5%	-1.7%	0.11	-0.02
USD Investment Grade Contingent Capital Index	COCU	26	0	0	26	0.0%	0.0%	0.00	0.00
Euro Investment Grade Contingent Capital Index	COCE	10	0	0	10	0.0%	0.0%	0.00	0.03
GBP Investment Grade Contingent Capital Index	COCG	1	0	0	1	0.0%	0.0%	0.00	0.00
<b>Convertible Securities Indices:</b>									
US Convertible Index	VXA0	431	4	5	430	-0.2%	1.1%	-0.09	-0.25
Global 300 Convertible Index	VG00	300	2	2	300	0.0%	4.1%	-0.17	-0.22
<b>Preferred Securities Indices:</b>									
Core Plus Fixed Rate Preferred Securities Index	P0P4	300	4	1	303	1.0%	-0.2%	0.19	-0.04
Fixed Rate Preferred Securities Index	P0P1	225	2	1	226	0.4%	-0.1%	0.00	0.02

Source: BofA Merrill Lynch Bond Indices

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