

Markit iBoxx USD Emerging Markets Corporates Index Guide

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1 Markit iBoxx USD Emerging Markets Corporates Index

The Markit iBoxx USD Emerging Markets Corporates Index is designed to reflect the performance of USD denominated corporate and sub-sovereign bonds issued by entities domiciled in the emerging markets. The index rules aim to offer a broad coverage of the emerging market corporate bond universe, whilst upholding minimum standards of investability and liquidity. As of the inception date, the index tracks around \$1.4 trillion worth of debt covering 55 individual countries/territories in Africa, Asia, Europe, Latin America and the Middle East. The indices form an integral part of the existing Markit iBoxx index families, which continue to provide the marketplace with accurate and objective benchmarks by which to assess the performance of bond markets and investments.

The index family is segmented into three major indices: Non-Sovereigns Overall index, Corporates index, and Sub-Sovereigns index. These will be further broken down into sub-indices based on regions, ratings, maturities and sectors. The definition of emerging markets is consistent with the methodology detailed within the *IHS Markit Global Economic Development Classification Methodology*, which is available on <https://www.spglobal.com/spdji/en/> under *Methodology*.

All iBoxx indices are priced based on multiple data inputs. The Markit iBoxx USD Emerging Markets Corporates Index uses multi-source prices as described in the document *iBoxx Pricing Methodology* publicly available on <https://www.spglobal.com/spdji/en/> under *Methodology*.

This document covers the index rules and calculation methodology.

1.1 Index family structure

The Markit iBoxx USD Emerging Markets Corporates Index family consists of corporate and sub-sovereign debt and includes three broad benchmarks, namely: the *Overall* index and the *Corporates* and *Sub-sovereigns* indices. The *Corporates* index is broken down into regional, sector, maturity and rating sub-indices. The sub-sovereigns index will be broken down into regional, maturity and rating sub-indices.

All sector indices consist of Financials and Non-financials, the latter of which contains nine sub-sectors. The geographical breakdown covers *Asia*, *EEMEA* and *Latin America*. Additionally, the regions are further sub-divided into individual country indices. All the regions only include countries/territories which are classified as emerging markets. The lists of the emerging and developed markets are published and updated annually following the market classification process as detailed in *IHS Markit Global Economic Development Classification*.

The two remaining breakdowns contain maturity and ratings sub-indices. The ratings sub-indices will consist of

- Investment Grade
- High Yield
- Individual ratings (without notches)

The rating classification depends on the composite ratings as determined by the *iBoxx Rating Methodology* available on <https://www.spglobal.com/spdji/en/> under *Methodology*.

The figure below provides an overview of the index family structure:

Table 1: Index family structure

Non-Sovereigns						
Corporates				Sub-Sovereigns		
Geographical	Sector	Maturity	Rating	Geographical	Maturity	Rating
• Asia • EEMEA • LatAm • Country indices	Financials • Financials Non-Financials • Basic Materials • Consumer Goods • Consumer Services • Health Care • Industrials • Oil & Gas • Technology • Telecom • Utilities	• 1-3 Years • 3-5 Years • 5-7 Years • 7-10 Years • 10-15 Years • 10+ Years • 15+ Years	• Investment Grade • High Yield • Individual Ratings	• Asia • EEMEA • LatAm • Country indices	• 1-3 Years • 3-5 Years • 5-7 Years • 7-10 Years • 10-15 Years • 10+ Years • 15+ Years	• Investment Grade • High Yield • Individual Ratings

2 Bond selection rules

This section specifies the requirements around the selection and rebalance of the index composition.

2.1 Emerging Market definition

2.1.1 Issuer domicile

Only issuers from countries/territories classified as emerging markets are eligible for the indices. The list of emerging markets is established according to *IHS Markit Global Economic Development Classification Methodology* and is used to determine the eligibility of the issuer. The classification methodology as well as the most up-to-date classifications are published on <https://www.spglobal.com/spdji/en/> under *Methodology*. The classifications are updated annually and implemented on 30 November each year.

2.1.2 Defaulted countries and sovereign debt rating

Countries that are in default on their external debt or that do not have a long term foreign debt rating from either of Fitch Ratings, Moody's Investor Service or S&P Global Ratings are excluded from the indices. Countries with ratings of D or RD from Fitch Ratings, C or Ca from Moody's Investor Services and D or SD from S&P Global Ratings are not eligible. A default is determined based on information from the rating agencies.

In addition, a country is considered to be in default if one of the six credit events as defined by International Swaps and Derivatives Association (ISDA) occurs:

- Bankruptcy
- Obligation acceleration
- Obligation default
- Failure to pay
- Repudiation/Moratorium
- Restructuring

2.1.3 Additional restriction for countries on financial sanction regimes

Countries included on the financial sanctions' lists of the European Union or the United States (US) are excluded from the indices unless:

- Sanctions are applied to specific individuals only, or
- Funds, funding and financial transactions of the government and government-related entities are unaffected by the sanctions.

The information about the sanctions regime is compiled:

- For the European Union from the [Common Foreign & Security Policy](#)
- For the US from the [Office of Asset Control \(OFAC\)](#)

A country is placed on the sanction list if relevant sanctions apply for either the European Union or the US. The decision about adding/removing countries is taken in consultation with the Technical Committee. Any decision to change the list of countries on the sanction list is immediately published on <https://www.spglobal.com/spdji/en/>.

A country emerging from default is re-included in the index at the next index rebalancing after its rating has been reinstated. If financial sanctions are instated for a particular country, this country is removed from the index at the next month-end. If financial sanctions are lifted, the country is included in the index at the next index rebalancing after all relevant sanctions have been lifted.

Based on current information, the following countries are excluded from the indices because of applicable sanctions:

- Cuba
- Iran
- Myanmar
- North Korea
- Sudan
- Syria
- Russia
- Venezuela

2.2 Issuer type

Only bonds issued by corporate or quasi-sovereign issuers are eligible for the index. The quasi-sovereign issuers include (but are not limited to) agencies and local governments as well as certain state-owned enterprises depending on the level of state support and commitment.

2.3 Bond type

In general, bonds with known cash flows are eligible, extending to the following bond types:

- Fixed and zero coupon bonds
- Callable and puttable bonds
- Step-ups and event-driven bonds
- Amortizing bonds and sinking funds with fixed sinking schedules
- Covered bonds
- Perpetuals and fixed-to-float bonds with a reset date at or after the first call date
- Contingent convertible and other Basel III compliant A/RT1 and T2 capital with mandatory conversion/write-down with pre-specified objective triggers
- Financial subordinated debt with a contingent conversion feature at the point of non-viability, in line with the capital adequacy requirements of Basel III
- Preference share style AT1s
- Payment-in-kind (PIKs)
- Extended bonds as defined in the *Maturity Extension* section of this document
- RegS securities

Specifically exclude the following bond types:

- Floating-rate notes
- Inflation-linked and other index-linked bonds
- Structured notes
- Catastrophe bonds
- Other collateralized bonds
- Other optional or mandatory convertible bonds

- 144As
- Perpetuals and fixed-to-float bonds with a reset date prior to the first call date
- Subordinated bank or insurance debt with non-regulatory conversion options before the first call date
- Bonds cum- or ex-warrant
- New bonds entering the index that have already been called prior to the rebalancing
- Retail bonds
- Private placements
- Municipal bonds

For retail bonds and private placements, publicly available information is not always conclusive and the classification of a bond as a retail bond or a private placement will be made at S&P DJI's discretion based on the information available at the time of determination. Any bond classified as retail or private placement is added to the list of excluded private placements and retail bonds. The list is published on <https://www.spglobal.com/spdji/en/> under *Indices News* for future reference and to ensure decision's consistency.

In instances where a new bond type is not specifically excluded or included according to the published index rules, S&P DJI will analyse the features of such securities in line with the principles set out in this guide. S&P DJI may consult the specific Index Committees. Any decision as to the eligibility or ineligibility of a new bond type will be published and the index rules will be updated accordingly.

2.4 Amount outstanding and denomination

The bonds must be denominated in U.S. dollars and must have a minimum amount outstanding of USD 250 million.

In the case of 144A/RegS securities that are registered as global securities, the remaining amount of the 144A/RegS version and the registered version are recombined if the bond is not exchanged in full.

RegS bond tap issue amounts, regardless of fungibility status will be added to existing RegS versions to maintain consistency with the treatment of tap issues as reflected under existing 144A versions.

2.5 Time to maturity

There is no minimum remaining time to maturity rule. Newly issued bonds must meet the minimum initial time to maturity rule. The minimum initial time to maturity as measured from the first settlement date to the bond maturity date must be 18 months or more.

Dated and undated fixed-to-floater bonds are removed from the index on the last rebalancing prior to the reset date unless they have already been called.

2.6 Credit Rating

Bond or issuer must be rated by one or more of the following three credit rating agencies:

- Fitch Ratings
- Moody's Investor Service
- S&P Global Ratings

If more than one of the above agencies rates a bond, then the iBoxx rating is the average of the provided ratings. The index consolidates ratings to the nearest rating grade and does not use rating notches.

For subordinated debt to be eligible, any of the three credit rating agencies must rate a bond.

Bonds with a rating downgrade to RD/SD remain eligible until the second rebalancing after the downgrade to allow for sufficient time to complete a distressed debt exchange or change of terms. Remove RD/SD-rated bonds from the indices if not upgraded by T-3 of the second rebalancing following the initial downgrade.

For more information on how the average rating is determined, please see the *iBoxx Rating Methodology* available on <https://www.spglobal.com/spdji/en/> under *Methodology*.

2.7 International clearability

Bonds need to be clearable via one of the following three clearing houses:

- Clearstream
- Euroclear
- Hong Kong CMU

3 Bond classification

All bonds are classified based on the principal activities of the issuer and the main sources of the cash flows used to pay coupons and redemptions. In addition, a bond's specific collateral type or legal provisions are evaluated. Hence, it is possible that bonds issued from different subsidiaries of the same issuer carry different classifications.

The issuer classification is reviewed regularly based on updated information received by S&P DJI, and status changes are included in the index at the next rebalancing if necessary.

Where the sector classification of a specific entity is not very clear due to the diversified business of the entity, decision will be made at S&P DJI's discretion. S&P DJI will assign the classification according to its evaluation of the business risk presented in the security prospectus and annual reports, if available. S&P DJI will also compare the classification to peers in the potential sectors. Membership lists including classification are published on the FTP server and in the *Indices* section of the webpage for registered users.

3.1 Corporates

Bonds issued by public or private corporations. Bonds secured by a 'floating charge' over some or all assets of the issuer are considered corporate bonds. Corporate bonds are further classified into Financials and Non-Financials bonds and then into their multiple-level economic sectors, according to the issuer's business scope. The category Guaranteed & Wrapped is added under Financials for corporate bonds whose timely coupon and/or principal payments are guaranteed by a non-affiliated insurer or through a letter of credit from a non-affiliated bank. Each bond in the index is assigned to one of the following sectors.

Table 2: Overview of Markit iBoxx Corporates Sectors

	Economic Sector	Market Sector	Market Sub-Sector
Financials	Core Financials	Banks	Banks
		Insurance	Life Insurance
			Nonlife Insurance
	Financial Services	Financial Services	General Financial
			Equity Investment Instruments
			Nonequity Investment Instruments
		Guaranteed & Wrapped	*
	Real Estate	Real Estate	Real Estate Investment & Services
			Real Estate Investment Trusts
Non-Financials	Energy	Oil & Gas	Oil & Gas Producers
			Oil Equipment / Services & Distribution
		Renewable Energy	Renewable Energy
	Basic Materials	Chemicals	Chemicals
		Basic Resources	Industrial Metals

	Economic Sector	Market Sector	Market Sub-Sector
			Mining
			Forestry & Paper
	Industrials	Construction & Materials	Construction & Materials
		Industrial Goods & Services	Aerospace & Defense
			Electronic & Electrical Equipment
			General Industrials
			Industrial Engineering
			Industrial Transportation
			Support Services
	Consumer Goods	Automobiles & Parts	Automobiles & Parts
		Food & Beverage	Beverages
			Food Producers
		Personal & Household Goods	Household Goods
			Personal Goods
			Tobacco
			Leisure Goods
	Health Care	Health Care	Pharmaceuticals & Biotechnology
			Health Care Equipment & Services
	Consumer Services	Retail	Food & Drug Retailers
			General Retailers
		Media	Media
		Travel & Leisure	Travel & Leisure
		Education	Academic & Educational Services
	Telecommunications	Telecommunications	Integrated Telecommunications
			Wireless Telecommunications
	Utilities	Utilities	Electricity
			Gas / Water & Multiutilities
	Technology	Technology	Software & IT Services
			Technology Hardware & Equipment

3.2 Sub-sovereigns

Bonds issued by entities with explicit or implicit government backing due to legal provision, letters of comfort, or the public service nature of the issuer's business. The issuer requires a strong central government ownership/relationship if its bonds are not explicitly guaranteed by the central government.

The four main sub-sovereign sectors are:

- **Agencies:** Bonds issued by entities with a major focus on government-sponsored, public, non-competitive services. The issuers are financial in nature and carry out government policies through special development programs, often explicitly government-backed or with a business scope defined by a specific law.
- **Supranationals:** Bonds issued by supranational entities, i.e. entities that are owned by more than one central government (e.g. World Bank, EIB).
- **Local Government:** Bonds issued by local governments (e.g. Province of Manitoba, Canada).
- **Other Sub-Sovereigns:** All remaining bonds considered sub-sovereign, classified into the following three main categories:
 - > **Non-Financials:** Bonds issued by entities from the non-financial sector with an explicit or strong implicit debt guarantee from the state. The issuer's credit rating is closely correlated to the sovereign rating and expresses a strong credit uplift based on a high level of government support. S&P DJI expects the issuer's credit rating to be no worse than on par or two notches below the sovereign rating. A 'strong implicit guarantee' means the issuer is 100% owned by the state or public sector with its debt consolidated into state public debt, or the issuer has preexisting access to government financing or funding derived from tax revenues. State-owned issuers that are profit-oriented, provide competitive services, and operate under a regulatory framework are considered Corporates.
 - > **Guaranteed Financials:** A specific bond issued by a private sector financial institution that is irrevocably guaranteed by a government. Most of these bonds are issued under programs set-up after the 2008 financial crisis.
 - > Bonds issued by unguaranteed institutions with an irrevocable and explicit guarantee by a central government that covers amount and timeliness of all interest and principal payments until the maturity of the bond.

3.3 Additional classification

Corporate debt is further classified into senior and subordinated debt. Bank senior debt structure additionally differentiates between Bail-in and Preferred bonds. The Bail-in classification captures all senior notes which are subject to write-down or conversion into a subordinated instrument on the occurrence of a resolution event, as well as senior bank debt issued by bank holding companies.

Hybrid capital issued by banking and insurance institutions is further detailed into the respective tiers of subordination.

The market information on the tier of subordination for insurance capital is often less standardized and clear than the equivalent issues by banks. In these cases, the classification is based on the maturity, coupon payment and deferral provisions of the bond from the offering circulars of the bonds. The table below displays the seniority classification of debt issued by both financial and non-financial sectors.

Table 3: Overview of seniority levels

Market Sector	Seniority Level 1	Seniority Level 2	Seniority Level 3
Bank	SEN	Preferred	*
		Bail-in	*

Market Sector	Seniority Level 1	Seniority Level 2	Seniority Level 3
	SUB	T2 (post-Jan '13 issuances)	T2 callable
			T2 non-callable
		T2 (pre-Jan '13 issuances)	LT2 callable
			LT2 non-callable
			UT2
		T1	T1 step
			T1 non-step
Insurance	SEN	*	*
	SUB	T3	*
		T2 dated	T2 dated callable
			T2 dated non-callable
		T2 perpetual	*
		T1	*
Other sectors	SEN	*	*
	SUB	Other	Hybrid**
			Non-hybrid

** Bonds will be required to fulfil the following criteria to be considered hybrids:

- Subordinated
- Deferrable coupons
- First non-call period ≥ 5 years
- Either perpetual or 'long-dated', where 'long-dated' is defined as > 25 years of the time to maturity at issuance

4 Index calculation

4.1 Static data

Information used in the index calculation is sourced from offering circulars and checked against standard data providers.

4.2 Bond prices

For more details, please refer to the *iBoxx Pricing Methodology* document, available in the *Methodology* section of the webpage at <https://www.spglobal.com/spdji/en/>.

4.3 Rebalancing process

The index is rebalanced monthly on the last business day of the month. Any inclusion after the index cut-off day (t-3) will not be considered in the rebalancing process but will become effective at the end of the following month. New bonds issued are considered if they are publicly known to settle until the last calendar day of the month, inclusive, and if their rating and amount outstanding has become known at least three trading days before the end of the month.

Preview lists of eligible bonds are published on a weekly basis starting on the first Friday that is three business days after the previous month-end rebalance, as well as on the 6th calendar day of the month (or next index publication day if the 6th calendar day falls on a non-business day). Preview lists of eligible bonds are additionally published on T-4, T-3 trading days before the end of the month. Final components are published two business days before the end of the month (T-2).

Two business days before the end of each month, the rating and amount information for the constituents is updated and the list is adjusted for all rating and amount changes which are known to have taken place three business days before the end of the month which could also result in exclusion of the bond. However, if bonds which are part of broader US Dollar indices become eligible into the Index two business days prior to rebalancing because of rating and/or amount changes, will be included in the index.

4.4 Weekly Preview

In addition to the regular monthly rebalancing, a preview list (including sector classification for new bonds) is published each Friday with predicted changes to the index constituents at the next rebalancing. The preview list includes the next month's index constituents, based on information available on such Fridays.

First weekly preview will be published on the Friday that is three business days after the previous month-end rebalance.

4.5 Index data

The calculation of the index is based on bid prices. New securities are included in the index at their respective ask prices when they enter the index family. If no price can be established for a particular security, the index continues to be calculated based on the last available price. This might be the case in periods of market stress, or disruption as well as in illiquid or fragmented markets. If the required inputs become impossible to obtain, S&P DJI may consult market participants prior to the next rebalancing date. Decisions are made publicly available on a timely basis and S&P DJI may refer back to previous cases.

The rebalancing takes place after close of market on the last trading day of a rebalancing month.

4.6 Index calculus

For specific index formulas please refer to the *iBoxx Bond Index Calculus* document available on <https://www.spglobal.com/spdji/en/> under *Methodology*.

4.7 Index and analytics weights

The Markit iBoxx USD Emerging Markets Corporates Index is market-value-weighted. The amount outstanding of a bond is only adjusted within the rebalancing process.

All calculations are based on the adjusted amount outstanding that reflects the outstanding bond notional at the last rebalancing. The bond prices relate to the nominal value of 100.

4.8 Treatment of the special intra-month events

Data for the application of corporate actions in the index may not be fully or timely available at all times, e.g. the final call prices for make-whole calls or the actual pay-in-kind percentage for PIK-payment options. In such cases, S&P DJI will estimate the approximate value based on the available data at the time of calculation.

4.8.1 Funged bonds

Bonds may be issued in several tranches. The different tranches are initially legally separate and therefore trade independently for a certain period. On and after the fungue date, the tranches will be combined into one bond, i.e. the parent tranche will contain the original security, as well as the additional notional(s) from the new tranche(s). After the fungue date, the prices for both the securities are the same, because they constitute one uniform bond. This is reflected in the indices as follows:

4.8.1.1 Parent and new tranche are both index constituents

- After the fungue date, the price from the parent tranche is used for the funged tranche; no price for the funged bond
- Funged tranche leaves the index at the next rebalancing and parent amount outstanding increases accordingly

4.8.1.2 Parent is an index constituent, but the new tranche is not

- No special intra-month treatment necessary
- Parent amount outstanding increases at the next rebalancing

4.8.1.3 Parent is not an index constituent but the new tranche is

- No special intra-month treatment necessary
- Funged tranche leaves the index; parent tranche enters the index at the next rebalancing

4.8.2 Full redemptions: exercised calls, puts and buybacks

If a bond is fully redeemed intra-month, the bond effectively ceases to exist. In all calculations, the redeemed bond is treated as cash based on the last price, the call price or repurchase price, as

applicable. The redemption factor, redemption and the redemption price are used to treat these events in the index and analytics calculation. In addition, the clean price of the bond is set to the redemption price, and the interest accrued until the redemption date is treated as an irregular coupon payment.

4.8.3 Maturity extension

4.8.3.1 Maturity extension for perpetual bonds without a reset date

Maturity	Coupon/call structure	Workout date at issuance	Updated Workout date if not called
Perpetual	Fixed/ Callable	Assume first call date as workout date	Extend workout date until the assumed next call date - 5 years from first call date*.

*Assumes the terms allow for a redemption at the new assumed maturity date.

4.8.3.2 Maturity extension for perpetuals & dated fixed-to-fixed bonds with a reset date

Maturity	Coupon/Call structure	Workout Date at issuance	Updated Workout date if not called
Perpetual	Reset*/Callable	Assume first call date as workout date	Extend workout date until the end of the next reset date*
Dated	Reset/Callable	Assume reset date as workout date	Extend workout date until the end of the next reset date or final maturity date*

*Assumes the bond terms allow for a redemption at the new assumed maturity date

4.8.4 Bonds trading flat of accrued

If a bond is identified as trading flat of accrued, the accrued interest of the bond is set to 0 in the total return index calculation and is excluded from the calculation of all bond and index analytical values.

Bonds will be considered trading flat of accrued in any of the following situations:

- a bond has been assigned a default rating and/or
- issuer has announced a failure to pay a coupon and/or
- issuer has announced an intention not to make a payment on an upcoming coupon (grace period).

4.8.5 Multi-coupon bonds

Some bonds have pre-defined coupon changes that lead to a change in the annual coupon over the life of the bond. In all instances, the coupon change must be a fixed amount on top of a fixed coupon, i.e. floating coupon bonds are not eligible for the indices. The two main categories of bonds are step-up bonds and event-driven bonds.

- **Step-up bonds:** These are bonds with a pre-defined coupon schedule that cannot change during the life of the bond. The coupon schedule is used in all bond calculations.
- **Event-driven bonds:** These are bonds whose coupon may change upon occurrence (or non-occurrence) of pre-specified events, such as rating changes, e.g. rating-driven bonds, failure to

register (register-driven bonds), or failure to complete a merger (merger-driven bonds). In the calculation of the indices and the analytics, the coupon schedule as of the calculation date is used. That is to say, any events occurring after the calculation date are ignored in the determination of the applicable coupon schedule. *Example of an event-driven bond:* A bond's rating changes on 31 December 2003 from A- to BBB+ and the coupon steps up from 6% to 6.25% from 1 March 2004 onward. The coupon dates are 1 October and 1 April each year. The correct coupon schedule for the bond and index calculations is date dependent. The index calculation on 20 December 2003 uses the 6% coupon for the whole life of the bond, while the calculation on 31 January 2004 uses a 6% coupon for the current coupon period to 29 February 2004, and a 6.25% coupon for all later interest payments. The index calculation on 20 March uses a 6% coupon until 29 February, a 6.25% coupon for the remainder of the current coupon period and a 6.25% coupon for all future coupon payments. The index calculation after 1 April uses a 6.25% coupon.

4.8.6 Ex-dividend conventions

Some markets have ex-dividend conventions. Ex-dividend means that the next coupon is detached from the bond several days in advance of the coupon payment date. The date on which the next coupon is detached is the ex-dividend date and the period between the ex-dividend date and the coupon payment date is the ex-dividend period. If a bond is in the ex-dividend period, the next coupon payment will not be paid to a buyer of this bond, but will be paid to the original bond holder.

The indices and analytics calculations take ex-dividend conventions into account. During the ex-dividend period, the accrued interest of the bond is negative, while the next coupon payment is held separate in the variable coupon adjustment. If the bond enters the index during the ex-dividend period, then the next coupon payment and the coupon adjustment will not accrue to the index. However, if the bond was already in the index, the next coupon payment needs to be included in the total return calculations. This is controlled via the ex-dividend indicator which is 0 if the bond enters the index during the current ex-dividend period and 1 if not. The same treatment is also applied to all analytics calculation, i.e. the first cash flow is excluded from the calculations if the bond enters during the current ex-dividend period.

4.9 Index history

The Index history starts on 31 December 2005. The index has a base value of 100 on that date.

4.10 Settlement conventions

All iBoxx indices are calculated using the assumption of T+0 settlement days.

4.11 Calendar

S&P DJI publishes an index calculation calendar available on <https://www.spglobal.com/spdji/en/> under *iBoxx Indices Calendars*. This calendar provides an overview of the index calculation holidays of the iBoxx bond index families each year.

4.12 Data publication and access

The table below summarizes the publication of Markit iBoxx USD Emerging Markets Corporates Index in the *Indices* section of the website for registered users and on the FTP server.

Table 4: Data publication frequency, file types and access

Frequency	File Type	Access
Daily	Underlying file – Bond level	FTP Server
	Indices files – Index level	FTP Server / website / Bloomberg (index levels only)
6th calendar day of the month (moved to next business day in case of weekends)	Preview components	FTP Server / website
Weekly (On Friday)**	Preview components	FTP Server / website
T - 4	Preview components	FTP Server / website
T - 3	Preview components	FTP Server / website
Monthly	End of month components	FTP Server / website
	XREF files	FTP Server

**Previews will be published on the first Friday that is three business days after the previous month-end rebalance.

4.13 Index review

In addition to the daily governance of indices and maintenance of index methodologies, at least once within any 12-month period, the Index Committee reviews the methodology to ensure the indices continue to achieve the stated objectives, and that the data and methodology remain effective. In certain instances, S&P Dow Jones Indices may publish a consultation inviting comments from external parties.

5 Governance and regulatory compliance

IHS Markit Benchmark Administration Limited (IMBA UK) is the Index Administrator of iBoxx indices. Information on IMBA UK's governance and compliance approach can be found [here](#). This document covers:

- Governance arrangements
- Input data integrity
- Conflicts of interest management
- Market disruption and Force Majeure
- Methodology changes and cessations
- Complaints
- Errors and restatements
- Reporting of infringements and misconduct
- Methodology reviews
- Business continuity

More details about IMBA UK can be found on the [Administrator's website](#).

6 Changes to Markit iBoxx USD Emerging Markets Corporates Index

01 May 2024	Annual Index Review 2023 - Standardization of Index Rules - International clearability - Bond type - Credit rating - Update to Agencies' Classification Definition - Updated definition of 'Agencies' - Updated definition for 'Other Sub-Sovereigns'
30 Jun 2023	Annual Index Review 2022 - Introduction of 'Maturity extension' section - Index eligibility of bonds with extended workout dates - Creation of 'Renewable Energy Sector' within the 'Corporates' classification - Distressed Debt Exchanges – Rule Update
31 Jul 2022	Monthly preview start date updated from 10th calendar day to 6th calendar day
28 Feb 2021	Annual Index Review 2020 - Updated Insurance classification - RegS and 144A tap issuance update
31 Jan 2021	Governance and Regulatory Compliance section added
31 Jul 2020	Annual Index Review 2019 - Introduction of updated corporate classification schema - Implementation of updated Bank Tier Classification - Updates as part of the changes in definition and treatment of hybrid bonds
31 Jan 2020	Definition update of Guaranteed and Wrapped Definition update of Other Sub-Sovereign classification as part of Annual Index Review 2019
30 Aug 2017	Update of list of countries on financial sanction regimes
21 Sep 2016	Clarification on Amount Outstanding of the exchanged bonds
22 Mar 2016	Added classification for Guaranteed & Wrapped
15 Mar 2016	Index rebalancing timeline updates
05 Feb 2015	Bonds trading flat of accrued section added. Additional clarifications on bond rating added
01 Oct 2014	Index restatement, complaints sections added, Additional clarifications on bond eligibility, classification and corporate actions
31 Mar 2013	Markit iBoxx USD Emerging Markets Sovereigns Index will be based on additional prices sources as described in the document <i>iBoxx Pricing Methodology</i>

30 Apr 2012	Launch of Markit iBoxx USD Emerging Markets Corporates Indices
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7 Further information

Client support

For client support please contact index_services@spglobal.com.

Formal complaints

Formal complaints should be emailed to spdji_compliance@spglobal.com.

Please note: spdji_compliance@spglobal.com should only be used to log formal complaints.

General index inquiries

For general index inquiries, please contact index_services@spglobal.com.

A ESG Disclosures

EXPLANATION OF HOW ENVIRONMENTAL, SOCIAL & GOVERNANCE (ESG) FACTORS ARE REFLECTED IN THE KEY ELEMENTS OF THE BENCHMARK METHODOLOGY [1]		
1	Name of the benchmark administrator.	IHS Markit Benchmark Administration Limited (IMBA)
2	Underlying asset class of the ESG benchmark. [2]	N/A
3	Name of the S&P Dow Jones Indices benchmark or family of benchmarks.	iBoxx Benchmark Statement
4	Do any of the indices maintained by this methodology take into account ESG factors?	No
Appendix latest update:		May 2023
Appendix first publication:		May 2023

[1] The information contained in this Appendix is intended to meet the requirements of the European Union Commission Delegated Regulation (EU) 2020/1817 supplementing Regulation (EU) 2016/1011 of the European Parliament and of the Council as regards the minimum content of the explanation of how environmental, social and governance factors are reflected in the benchmark methodology and the retained EU law in the UK (The Benchmarks (amendment and Transitional Provision) (EU Exit) Regulations 2019).

[2] The 'underlying assets' are defined in European Union Commission Delegated Regulation (EU) 2020/1816 supplementing Regulation (EU) 2016/1011 of the European Parliament and of the Council as regards the explanation in the benchmark statement of how environmental, social and governance factors are reflected in each benchmark provided and published.

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Where applicable, S&P Dow Jones Indices and its index-related affiliates (“S&P DJI”) defines various dates to assist our clients by providing transparency. The First Value Date is the first day for which there is a calculated value (either live or back-tested) for a given index. The Base Date is the date at which the index is set to a fixed value for calculation purposes. The Launch Date designates the date when the values of an index are first considered live: index values provided for any date or time period prior to the index’s Launch Date are considered back-tested. S&P DJI defines the Launch Date as the date by which the values of an index are known to have been released to the public, for example via the company’s public website or its data feed to external parties. For Dow Jones-branded indices introduced prior to May 31, 2013, the Launch Date (which prior to May 31, 2013, was termed “Date of introduction”) is set at a date upon which no further changes were permitted to be made to the index methodology, but that may have been prior to the Index’s public release date.

Please refer to the methodology for the Index for more details about the index, including the manner in which it is rebalanced, the timing of such rebalancing, criteria for additions and deletions, as well as all index calculations.

Information presented prior to an index’s launch date is hypothetical back-tested performance, not actual performance, and is based on the index methodology in effect on the launch date. However, when creating back-tested history for periods of market anomalies or other periods that do not reflect the general current market environment, index methodology rules may be relaxed to capture a large enough universe of securities to simulate the target market the index is designed to measure or strategy the index is designed to capture. For example, market capitalization and liquidity thresholds may be reduced. In addition, forks have not been factored into the back-test data with respect to the S&P Cryptocurrency Indices. For the S&P Cryptocurrency Top 5 & 10 Equal Weight Indices, the custody element of the methodology was not considered; the back-test history is based on the index constituents that meet the custody element as of the Launch Date. Also, the treatment of corporate actions in back-tested performance may differ from treatment for live indices due to limitations in replicating index management decisions. Back-tested performance reflects application of an index methodology and selection of index constituents with the benefit of hindsight and knowledge of factors that may have positively affected its performance, cannot account for all financial risk that may affect results and may be considered to reflect survivor/look ahead bias. Actual returns may differ significantly from, and be lower than, back-tested returns. Past performance is not an indication or guarantee of future results.

Typically, when S&P DJI creates back-tested index data, S&P DJI uses actual historical constituent-level data (e.g., historical price, market capitalization, and corporate action data) in its calculations. As ESG investing is still in early stages of development, certain datapoints used to calculate certain ESG indices may not be available for the entire desired period of back-tested history. The same data availability issue could be true for other indices as well. In cases when actual data is not available for all relevant historical periods, S&P DJI may employ a process of using “Backward Data Assumption” (or pulling back) of ESG data for the calculation of back-tested historical performance. “Backward Data Assumption” is a process that applies the earliest actual live data point available for an index constituent company to all prior historical instances in the index performance. For example, Backward Data Assumption inherently assumes that companies currently not involved in a specific business activity (also known as “product involvement”) were never involved historically and similarly also assumes that companies currently involved in a specific business activity were involved historically too. The Backward Data Assumption allows the hypothetical back-test to be extended over more historical years than would be feasible using only actual data. For more information on “Backward Data Assumption” please refer to the FAQ. The methodology and factsheets of any index that employs backward assumption in the back-tested history will explicitly state so. The methodology will include an Appendix with a table setting forth the specific data points and relevant time period for which backward projected data was used. Index returns shown do not

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