Ground Rules

FTSE MTS Covered Bond Indexes
v2.5
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Section 1

Introduction

1.0 Introduction

1.1 The FTSE MTS Index Structure

1.1.1 FTSE MTS Indexes are a set of benchmarks for the European sovereign and covered bond market. The indexes are calculated and distributed by FTSE Russell, using pricing data from the MTS platform.

1.2 The FTSE MTS Covered Bond Index Series does not take account of ESG factors in its index design.

1.2.1 FTSE Russell hereby notifies users of the index series that it is possible that circumstances, including external events beyond the control of FTSE Russell, may necessitate changes to, or the cessation of, the index series and therefore, any financial contracts or other financial instruments that reference the index series or investment funds which use the index series to measure their performance should be able to withstand, or otherwise address the possibility of changes to, or cessation of, the index series.

1.2.2 Index users who choose to follow this index series or to buy products that claim to follow this index series should assess the merits of the index's rules-based methodology and take independent investment advice before investing their own or client funds. No liability whether as a result of negligence or otherwise is accepted by FTSE Russell nor its group companies (or any person concerned with the preparation or publication of these Ground Rules) for any losses, damages, claims and expenses suffered by any person as a result of:

- any reliance on these Ground Rules, and/or
- any errors or inaccuracies in these Ground Rules, and/or
- any non-application or misapplication of the policies or procedures described in these Ground Rules, and/or
- any errors or inaccuracies in the compilation of the Index or any constituent data.

1.3 These Ground Rules

1.3.1 This document sets out the Ground Rules for the construction and management of the FTSE MTS Covered Bond Indexes.

1.4 FTSE Russell

1.5 Index Series Objectives

1.5.1 The FTSE MTS Covered Bond Indexes are designed to be a measure of the Eurozone Covered Bond market. They are transparent indexes, and are designed to be replicable with individual security holdings and prices disclosed electronically each day.

1.6 Publication of Index and Underlying Data

The FTSE MTS Covered Bond Indexes are published at 11:00 CET and 17:15 CET. Underlying bond portfolio compositions and weights are also published on the FTSE MTS Index website.

1.7 The base currency of the benchmark is EUR.

1.8 FTSE MTS Covered Bond Indexes

1.8.1 The FTSE MTS Covered Bond Index Series consists of 17 bond indexes comprising euro-denominated covered bonds and was launched on 18 July 2005.

1.8.2 The main FTSE MTS Covered Bond Index includes all covered bonds selected in the aggregate maturity indexes (1-3yr, 3-5yr, 5-7yr, 7-10yr and 10-15yr). These sub-maturity aggregate indexes contain a maximum of one bond per issuing entity, with the weight of selected bonds established from the total market capitalisation of all Eligible Bonds from the bond’s issuer.

1.8.3 Additionally, there are sub-indexes which are further broken down by country of issuance and maturity.

1.9 Total Return Index

1.9.1 FTSE MTS Indexes are total return indexes. Coupons paid out on any bond in an index portfolio are reinvested overnight in the index itself. No deduction is made to a coupon before it is reinvested in the index i.e. no withholding tax is applied.

1.10 Index Analytics

1.10.1 In addition to the Capital Index and Total Return Index, the following index analytics are also calculated:

- Average Coupon
- Average Yield to Maturity
- Average Time to Maturity
- Average Macaulay Duration
- Average Modified Duration
- Average Convexity

For a description of the methodology used to calculate the index and bond level analytics, please consult the Guide to Calculation Methods for FTSE Fixed Income indexes, which can be found using the following link:

FTSE_Fixed_Income_Index_Guide_to_Calculation.pdf

1.11 Index Calculation

1.11.1 The indexes are calculated on every day that is a TARGET Business day and a MTS market trading day. The index calculation will use the T+2 settlement convention for the valuation of index constituents and the calculation of index analytics.
Section 2

Management Responsibilities

2.0  Management Responsibilities

2.1  FTSE International Limited (FTSE)

2.1.1 FTSE is the benchmark administrator of the index series.¹

2.1.2 FTSE Russell is responsible for the daily calculation, production and operation of the FTSE MTS Covered Bond Indexes and will:

- maintain records of all the constituents;
- be responsible for the addition and deletion of bonds and changes of nominal amounts, in accordance with the Ground Rules.

2.2  FTSE EMEA Fixed Income Advisory Committee

2.2.1 The FTSE EMEA Fixed Income Advisory Committee has been established by FTSE Russell. The Committee may recommend changes to the Ground Rules for approval by the FTSE Russell Product Governance Board.

2.2.2 The Terms of Reference of the FTSE EMEA Fixed Income Advisory Committee are set out on the FTSE Russell website and can be accessed using the following link:

FTSE_EMEA_Fixed_Income_Advisory_Committee.pdf

2.3  Amendment to these Ground Rules

2.3.1 These Ground Rules shall be subject to regular review by FTSE Russell to ensure that they continue to best reflect the aims of the index series. Any proposals for significant amendments to these Ground Rules will be subject to consultation with the FTSE EMEA Fixed Income Advisory Committee and other stakeholders if appropriate. The feedback from these consultations will be considered by the FTSE Russell Product Governance Board before approval is granted.

2.3.2 As provided for in the Statement of Principles for FTSE Fixed Income Indexes, where FTSE Russell determines that the Ground Rules are silent or do not specifically and unambiguously apply to the subject matter of any decision, any decision shall be based as far as practical on the Statement of Principles. After making any such determination, FTSE Russell shall advise the market of its decision at the earliest opportunity. Any such treatment will not be considered as an exception or change to the

¹ The term administrator is used in this document in the same sense as it is defined in Regulation (EU) 2016/1011 of the European Parliament and of the Council of 8 June 2016 on indices used as benchmarks in financial instruments and financial contracts or to measure the performance of investment funds (the European Benchmark Regulation).
Ground Rules, or to set a precedent for future action, but FTSE Russell will consider whether the Rules should subsequently be updated to provide greater clarity.

2.4 Market Disruption

2.4.1 If the value of one or more constituents is not published due to a suspension or a market disruption event, the index will be calculated taking the latest intra-day value, if available. If an intra-day value is unavailable the previous end of day value will be used.
Section 3

FTSE Russell Index Policies

3.0 FTSE Russell Index Policies

These Ground Rules should be read in conjunction with the following policy documents which can be accessed using the links below:

3.1 Queries and Complaints

FTSE Russell’s complaints procedure can be accessed using the following link:

Benchmark_Determination_Complaints_Handling_Policy.pdf

3.2 Guide to the Calculation Methods for the FTSE Fixed Income Indexes

3.2.1 For a description of the methodology used to calculate the index and bond level analytics, please consult the Guide to Calculation Methods for FTSE Fixed Income indexes, which can be found using the following link:

FTSE_Fixed_Income_Index_Guide_to_Calculation.pdf

3.3 Statement of Principles for FTSE Fixed Income Indexes (the Statement of Principles)

3.3.1 Indexes need to keep abreast of changing markets and the Ground Rules cannot anticipate every eventuality. Where the Ground Rules do not fully cover a specific event or development, FTSE Russell will determine the appropriate treatment by reference to the Statement of Principles for FTSE Bond Indexes which summarises the ethos underlying FTSE Russell’s approach to index construction. The Statement of Principles is reviewed annually and any changes proposed by FTSE Russell are presented to the FTSE Russell Index Policy Advisory Board for discussion before approval by the FTSE Russell Product Governance Board.

The Statement of Principles for Bond Indexes can be accessed using the following link:


3.4 Recalculation Policy and Guidelines

The Recalculation Policy and Guidelines for Fixed Income Indexes document is available from the FTSE Russell website using the link below or by contacting info@ftserussell.com.

Fixed_Income_Recalculation_Policy_and_Guidelines.pdf
3.5 Policy for Benchmark Methodology Changes

3.5.1 Details of FTSE Russell's policy for making benchmark methodology changes can be accessed using the following link:

Policy_for_Benchmark_Methodology_Changes.pdf
Section 4

Eligibility Criteria

4.0 Eligibility Criteria

4.1 Eligible Bonds

To be eligible for the index series, bonds must meet the following eligibility criteria.

- Nominal, fixed coupon, non-amortising bonds denominated in euros which, with the exception of extendible bonds (see below), have no embedded options or convertibility.
- Listed on the MTS BondVision platform.
- Covered with mortgages and/or public sector loans have a minimum outstanding amount of €1 billion.
- Have at least one investment grade rating from the three main credit ratings agencies.
- Have at least 3 lead managers, not including the issuer itself.
- Extendible bonds are eligible, subject to meeting the above criteria. The valuation and analytics are based on the original maturity date and not the extended maturity date.
- For the avoidance of doubt, extended bonds are ineligible. If a constituent is extended, it will leave the index at the next rebalance.
- Structured bonds that meet the criteria outlined above are eligible, and that eligibility will be considered with respect to their expected maturity dates. Expected maturity date is defined as the date on which the last coupon is scheduled to be paid and the principal amount is scheduled to be repaid in full.

4.2 Selection Criteria

The maturity sub-indexes are subject to a limit of one bond per issuer. If multiple bonds are available for the same issuer, the following expression is used to derive a score for each bond:

\[ \text{Outstanding Amount} \times \text{Residual Maturity within the Maturity Range} \]

The bonds are then ranked in descending order of this score, and the highest ranked bond is selected.

For the purposes of this exercise, an “issuer” is defined as any unique issuer name for the bonds concerned, according to the data source(s) used.
Section 5

Price Sources

5.0 Price Sources

5.1.1 FTSE MTS Indexes are priced using quotes from the MTS dealer to client platform. Each bond quoted on the MTS platform is supported by multiple dealers supplying continuous quotes. These quotes are widely distributed for information to the market via data vendors.

New bonds entering the index for the first time use the offer price, replicating the bid-offer spread experienced by a fund tracking the index. This applies to both the all-maturity and the individual maturity sub-indexes.

Selected indexes of each series are also available in mid-priced versions, where existing constituents are valued using mid prices. In order to replicate the bid-offer spread incurred when tracking the mid-index, new constituents enter the mid-priced index using their respective ask prices, and leave the index using their respective bid prices. The mid-price is calculated as the arithmetic average of the respective bid and offer price pair.

5.2 Alternate Prices

5.2.1 If the price of a bond is missing at the time of the index calculation the Last Good Price available will be used.

5.2.2 If the price is not available from the MTS platform for consecutive 30 calendar days then an alternate price source, if available, will be used immediately.

5.2.3 Where the price used is from the alternate source, the source will be switched to the MTS price on the day it becomes available.
Section 6

Index Rebalancing

6.0 Index Rebalancing

6.1 Monthly Rebalancing

FTSE MTS Indexes are rebalanced every calendar month. New selections for the index portfolios and their amounts are established using market data at 11:00 CET on the first day that is a TARGET business day and a MTS market trading day following the 15th day of the month prior to the effective date of the new selections (such business day being the “Selection Day”). The first settlement day of a bond following issuance must be on or before Selection Day in order for it to be eligible for the new monthly selections.

The monthly rebalance is effective at the open of the first business day of the month.

In the event that there are no Eligible Bonds available to be selected for a new monthly index portfolio, the current (populated) index portfolio is held constant until a new bond(s) becomes eligible.

6.2 Notional Amounts

The notional amounts of each Selected bond \( i \) is determined using data from 11:00 CET on the first business day following the 15th day of the month immediately preceding the effective month. This time is denoted \( t_0 \). Bond eligibility and selections are established by applying the relevant criteria for each index at the same time \( t_0 \).

The maturity sub-indexes have a restriction of one bond per issuer; however, their nominal amount is adjusted so that the weight of the selected bond is equal to the weight of all the eligible bonds of the issuer relative to all eligible bonds which are eligible for the sub-indices.

The all-maturity FTSE MTS Covered Bond Index is composed of bonds selected in the maturity sub-indexes.

6.3 Missing Price

On the Selection Day, any new bond which meets the eligibility criteria as specified in Section 4, but has no price on the MTS platform will not be added to the index.

A bond which is already in the index and for which an alternate price is being used will be excluded from the selection and removed from the index at the last good price on rebalance effective day.

Subsequently if the price is available from MTS and the bond still meets the eligibility criteria as specified in Section 4, it will be considered for inclusion at the Selection Day after the price is available.
Appendix A: Calculations

Formulae
For bond and index level calculations, please consult the Guide to Calculation Methods for the FTSE Fixed Income Indexes.
Appendix B: Further Information

A Glossary of Terms used in FTSE Russell’s Ground Rule documents can be found using the following link: Fixed_Income_Glossary_of_Terms.pdf

For further information on the FTSE MTS Covered Bond Index Ground Rules please visit www.ftse.com/products/mts or e-mail info@ftserussell.com.