



FTSE4Good TIP Taiwan ESG Index

v1.4



Contents

1.0	Introduction.....	3
2.0	Management Responsibilities.....	4
3.0	FTSE Russell Index Policies	6
4.0	Index Qualification Criteria	8
5.0	Periodic Review of Constituents	9
6.0	Changes to Constituent Companies	11
7.0	Corporate Actions and Events.....	12
8.0	Index Algorithm and Calculation Method	14
	Appendix A: Index and Market Opening and Closing Hours ..	15
	Appendix B: Index Algorithm and Calculation Method	16
	Appendix C: Further Information	17



Section 1

Introduction

1.0 Introduction

1.1 This document sets out the Ground Rules for the construction and management of the FTSE4Good TIP Taiwan ESG Index. Much of the governance and methodology is drawn from the FTSE4Good Index Series and as such this methodology is to be read in conjunction with the FTSE4Good Index Series Ground Rules which are available at www.ftserussell.com.

1.2 The index has been designed to reflect the performance of Taiwanese companies with leading corporate responsibility practices.

1.3 The FTSE4Good TIP Taiwan ESG Index is calculated in TWD on a real time basis.

1.4 Capital and Total Return Indexes are available on an end of day basis in TWD.

1.5 FTSE Russell

FTSE Russell is a trading name of FTSE International Limited, Frank Russell Company, FTSE Global Debt Capital Markets Limited (and its subsidiaries FTSE Global Debt Capital Markets Inc. and MTSNext Limited), Mergent, Inc., FTSE Fixed Income LLC and The Yield Book Inc.

1.6 FTSE Russell hereby notifies users of the index 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 and therefore, any financial contracts or other financial instruments that reference the index or investment funds which use the index to measure their performance should be able to withstand, or otherwise address the possibility of changes to, or cessation of, the index.

1.7 Index users who choose to follow this index or to buy products that claim to follow this index 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 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.



Section 2

Management Responsibilities

2.0 Management Responsibilities

2.1 FTSE International Limited (FTSE)

FTSE is the benchmark administrator of the index.¹

2.2 FTSE4Good TIP Taiwan ESG Index (end of day)

2.2.1 FTSE is responsible for the daily calculation, production and operation of the end of day FTSE4Good TIP Taiwan ESG Index and will:

- maintain records of the index weightings of all constituents;
- make changes to the constituents and their weightings in accordance with the Ground Rules;
- carry out the periodic index reviews of the index and apply the changes resulting from the reviews required by the Ground Rules;
- publish changes to the constituent weightings resulting from their ongoing maintenance and the periodic reviews;
- disseminate the end of day index.

2.3 FTSE4Good TIP Taiwan ESG Index (real time)

2.3.1 TIP is responsible for the calculation and dissemination of the real time FTSE4Good TIP Taiwan ESG Index, based on the constituent level data and index divisor supplied by FTSE.

2.4 FTSE Russell ESG Advisory Committee

2.4.1 To assist in the oversight of the FTSE4Good Index Series FTSE has established the FTSE Russell ESG Advisory Committee (the “Committee”). The membership of the Committee includes independent investment professionals experienced in environmental, social and governance factors.

2.4.2 The Committee is responsible for providing guidance on the development of the criteria and the construction of the FTSE ESG ratings and ESG indexes including the FTSE4Good Index Series.

2.4.3 The Terms of Reference of the FTSE Russell ESG Advisory Committee are set out on the FTSE Russell website and can be accessed using the following link:

[FTSE_Russell_ESG_Advisory_Committee.pdf](#)

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).

2.5 Amendments to these Ground Rules

- 2.5.1 These Ground Rules shall be subject to regular review (at least once a year) by FTSE Russell to ensure that they continue to best reflect the aims of the index. Any proposals for significant amendments to these Ground Rules will be subject to consultation with FTSE Russell advisory committees and other stakeholders if appropriate. The feedback from these consultations will be considered by the FTSE Russell Product Governance Board before approval is granted.
- 2.5.2 As provided for in the Statement of Principles for FTSE Russell Equity 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 Ground Rules, or to set a precedent for future action, but FTSE Russell will consider whether the Ground Rules should subsequently be updated to provide greater clarity.



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 Corporate Actions and Events Guide

- 3.1.1 Full details of changes to constituent companies due to corporate actions and events can be accessed in the Corporate Actions and Events Guide using the following link:

[Corporate Actions and Events Guide.pdf](#)

3.2 Statement of Principles for FTSE Russell Equity Indexes (the Statement of Principles)

Indexes need to keep abreast of changing markets and the Ground Rules cannot anticipate every eventuality. Where the Rules do not fully cover a specific event or development, FTSE Russell will determine the appropriate treatment by reference to the Statement of Principles 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 Policy Advisory Board for discussion before approval by the FTSE Russell Product Governance Board.

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

[Statement of Principles.pdf](#)

3.3 Queries, Complaints and Appeals

A constituent or prospective constituent company (or professional advisor acting on behalf of the company), a national organisation or a group of no fewer than ten users of the index from different organisations acting in their professional capacity may appeal against decisions taken by FTSE Russell.

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

[Benchmark Determination Complaints Handling Policy.pdf](#)

FTSE Russell's Appeal Process can be accessed using the following link:

[Appeals Against Decisions.pdf](#)

3.4 Index Policy for Trading Halts and Market Closures

- 3.4.1 Guidance for the treatment of index changes in the event of trading halts or market closures can be found using the following link:

[Index Policy for Trading Halts and Market Closures.pdf](#)

3.5 Index Policy in the Event Clients are Unable to Trade a Market

- 3.5.1 Details of FTSE Russell's treatment can be accessed using the following link:

[Index Policy in the Event Clients are Unable to Trade a Market.pdf](#)

3.6 Recalculation Policy and Guidelines

- 3.6.1 The FTSE4Good TIP Taiwan ESG Index is recalculated whenever errors or distortions occur that are deemed to be significant. Users of the FTSE4Good TIP Taiwan ESG Index are notified through appropriate media.

For further information refer to the FTSE Russell Recalculation Policy and Guidelines document which is available from the FTSE Russell website using the link below or by contacting info@ftserussell.com.

[Recalculation Policy and Guidelines Equity Indexes.pdf](#)

3.7 Recalculation Policy and Guidelines – ESG Data and Ratings

Where an inaccuracy in an ESG data product is identified, FTSE Russell will follow the guidelines set out in this document when determining if an ESG Data Product should be recalculated.

[Recalculation Policy and Guidelines ESG Products.pdf](#)

3.8 Policy for Benchmark Methodology Changes

[Policy for Benchmark Methodology Changes.pdf](#)



Section 4

Index Qualification Criteria

4.0 Index Qualification Criteria

- 4.1 The initial eligible universe comprises the constituents of the FTSE4Good Emerging Index that are listed on the Taiwan Stock Exchange.
- 4.2 Companies with negative trailing 12-month Return on Equity (ROE) are excluded, subject to the index covering at least 90% of capped investable market capitalisation weight of the initial eligible universe (see Rule 5.2).



Section 5

Periodic Review of Constituents

5.0 Periodic Review of Constituents

5.1 Review Dates

5.1.1 The FTSE4Good TIP Taiwan ESG Index is reviewed semi-annually in June and December, using price and fundamental data as at the close of business on the last business day of the month prior to the review month. Changes arising from the review will be implemented after the close of business on the third Friday (i.e. effective Monday) of June and December.

5.2 Review Process

5.2.1 At review all securities from the initial eligible universe are weighted by investable market capitalisation (after the application of any investability weighting) with 30% capping applied on individual companies.

5.2.2 All initially eligible securities are ranked by their trailing 12-month ROE in descending order.

5.2.3 Trailing 12-month ROE is calculated as the aggregate of quarterly net income from the latest available four quarterly reports divided by the average shareholders' equity at the beginning and end of the period. If quarterly reports are not available the ROE will be calculated as annual net income from latest annual report divided by average shareholders' equity. The data cut-off date for the calculation of ROE is the close of business on the last business day of the month prior to the review month. Quarterly or annual financial statement items are sourced from a third party data provider.

5.2.4 Securities with negative ROE (if any) are removed sequentially in ascending order subject to the total weight of remaining securities (calculated in Rule 5.2.1) being greater than or equal to 90% of the investable market capitalisation of the initial eligible universe. The initial eligible universe is not recapped when companies are removed.

5.2.5 Securities after the application of Rule 5.2.4 are constituents of the FTSE4Good TIP Taiwan ESG index and are weighted by investable market capitalisation (after the application of any investability weighting).

5.3 Capping Constituent Weights at the Periodic Review

5.3.1 The constituents of the FTSE4Good TIP Taiwan ESG Index are capped at each semi-annual review so that no company represents more than 30% of the index.

5.3.2 The capping process will use prices adjusted for corporate actions as at the close of business on the second Friday in June and December. The capping is implemented after close of business on the

third Friday in June and December based on constituents, shares in issue and free float on the next trading day following the third Friday of the review month.

5.4 Index Back-Histories

- 5.4.1 The historical index constituents and values prior to the launch date of the FTSE4Good TIP Taiwan ESG Index are simulated through the application of six-month lag on fundamental data. For example the calculation of ROE during each semi-annual review makes use of quarterly (or annual) net income and shareholders' equity measures whose report dates were at least six months prior to the data cut-off date.



Section 6

Changes to Constituent Companies

6.0 Changes to Constituent Companies

6.1 Intra-Review Additions and Deletions

- 6.1.1 Additions into the FTSE4Good TIP Taiwan ESG Index will be considered for inclusion at the next semi-annual review.
- 6.1.2 If a constituent of the FTSE4Good TIP Taiwan ESG Index ceases to be a constituent of the FTSE4Good Emerging Index it will be removed from the FTSE4Good TIP Taiwan ESG Index. The deletion will be concurrent with its deletion from the FTSE4Good Emerging Index and its weight will be distributed pro-rata amongst the remaining constituents in the FTSE4Good TIP Taiwan ESG Index.

Section 7

Corporate Actions and Events

7.0 Corporate Actions and Events

7.1 Full details of changes to constituent companies due to corporate actions and events can be accessed in the Corporate Actions and Events Guide for Market Capitalisation Weighted Indexes using the following link:

[Corporate Actions and Events Guide.pdf](#)

A Corporate 'Action' is an action on shareholders with a prescribed ex date. The share price will be subject to an adjustment on the ex date. These include the following:

- Capital Repayments
- Rights Issues/Entitlement Offers
- Stock Conversion
- Splits (sub-division) / Reverse splits (consolidation)
- Scrip issues (Capitalisation or Bonus Issue)

A Corporate 'Event' is a reaction to company news (event) that may impact the index depending on the index rules. For example, a company announces a strategic shareholder is offering to sell their shares (secondary share offer) – this could result in a free float weighting change in the index. Where an index adjustment is required FTSE Russell will provide notice advising of the timing of the change.

7.2 Mergers and Take-overs

7.2.1 If a constituent is acquired by a non-constituent, the company will be removed from the FTSE4Good TIP Taiwan ESG Index. The eligibility of the resultant entity will be assessed in full at the next semi-annual review occurring at least 6 months after the takeover.

7.2.2 Where two index constituents merge, or one index constituent is acquired by another constituent, the resulting company will remain a constituent of the FTSE4Good TIP Taiwan ESG Index.

7.2.3 If a constituent acquires a non-constituent, the resultant entity will remain a constituent of the FTSE4Good TIP Taiwan ESG Index.

7.3 Spin-offs

7.3.1 If an index constituent has a complex reorganisation or demerger, the newly spun-off company will remain eligible for inclusion into the index as long as it remains a constituent in the FTSE4Good Emerging Index. The eligibility of the resulting companies will be assessed in full at the next semi-annual review.

7.4 Shares in Issue

Changes to the number of shares in issue for constituent securities are covered in the Corporate Actions and Events Guide for Market Capitalisation Weighted Indexes.

7.5 Suspension of Dealing

Suspension of dealing rules can be found within the Corporate Actions and Events Guide for Market Capitalisation Weighted Indexes.



Section 8

Index Algorithm and Calculation Method

8.0 Index Algorithm and Calculation Method

8.1 Prices

8.1.1 The FTSE4Good TIP Taiwan ESG Index uses actual trade prices for securities from the Taiwan Stock Exchange.

8.2 Calculation Frequency

8.2.1 The FTSE4Good TIP Taiwan ESG Index is published every 5 seconds during the Official Index Period, using last trade prices.

8.3 Algorithm

8.3.1 The index algorithm and calculation method are detailed in Appendix .



Appendix A: Index and Market Opening and Closing Hours

Index	Open	Close
FTSE4Good TIP Taiwan ESG Index	09:00	13:35

Stock Market Trading Times:

Taiwan	09:00	13:30
--------	-------	-------

All times are Local Taiwan Time

The FTSE4Good TIP Taiwan ESG Index is calculated on each day which trading takes place in Taiwan Stock Exchange.

Appendix B: Index Algorithm and Calculation Method

The index is calculated using the algorithm described below.

$$\sum_{i=1}^N \frac{(p_i \times e_i \times s_i \times f_i \times c_i)}{d}$$

Where,

- $i=1,2,\dots,N$
- N is the number of securities in the index.
- p_i is the latest trade price of the component security (or the price at the close of the index on the previous day).
- e_i is the exchange rate required to convert the security's currency into the index's base currency.
- s_i is the number of shares in issue used by FTSE Russell for the security, as defined in these Ground Rules.
- f_i is the Investability Weighting Factor to be applied to a security to allow amendments to its weighting, expressed as a number between 0 and 1, where 1 represents a 100% free float. This factor is published by FTSE Russell for each security in the underlying index.
- c_i is the Capping Factor to be applied to a security to correctly weight that security in the index. This factor maps the investable market capitalisation of each stock to a notional market capitalisation for inclusion in the index.
- d is the divisor, a figure that represents the total issued share Capital of the Index at the base date. The divisor can be adjusted to allow changes in the issued share Capital of individual securities to be made without distorting the index.



Appendix C: Further Information

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

[Glossary.pdf](#)

Further information on the FTSE4Good TIP Taiwan ESG Index is available from FTSE Russell.

For contact details please visit the FTSE Russell website or contact FTSE Russell client services at info@ftserussell.com.

© 2018 London Stock Exchange Group plc and its applicable group undertakings (the "LSE Group"). The LSE Group includes (1) FTSE International Limited ("FTSE"), (2) Frank Russell Company ("Russell"), (3) FTSE Global Debt Capital Markets Inc. and FTSE Global Debt Capital Markets Limited (together, "FTSE Canada") and (4) MTSNext Limited ("MTSNext"), (5) Mergent, Inc. ("Mergent"), (6) FTSE Fixed Income LLC ("FTSE FI") and (7) The Yield Book Inc ("YB"). All rights reserved.

The FTSE4Good TIP Taiwan ESG Index is calculated by or on behalf of FTSE International Limited or its affiliate, agent or partner. FTSE International Limited is authorised and regulated by the Financial Conduct Authority as a benchmark administrator.

FTSE Russell® is a trading name of FTSE, Russell, FTSE Canada, MTSNext, Mergent, FTSE FI and YB. "FTSE®", "Russell®", "FTSE Russell®", "MTS®", "FTSE4Good®", "ICB®", "Mergent®", "WorldBIG®", "USBIG®", "EuroBIG®", "AusBIG®", "The Yield Book®" and all other trademarks and service marks used herein (whether registered or unregistered) are trade marks and/or service marks owned or licensed by the applicable member of the LSE Group or their respective licensors and are owned, or used under licence, by FTSE, Russell, MTSNext, FTSE Canada, Mergent, FTSE FI or YB.

All information is provided for information purposes only. Every effort is made to ensure that all information given in this publication is accurate, but no responsibility or liability can be accepted by any member of the LSE Group nor their respective directors, officers, employees, partners or licensors for any errors or for any loss from use of this publication or any of the information or data contained herein.

No member of the LSE Group nor their respective directors, officers, employees, partners or licensors make any claim, prediction, warranty or representation whatsoever, expressly or impliedly, either as to the results to be obtained from the use of the FTSE4Good TIP Taiwan ESG Index or the fitness or suitability of the Index for any particular purpose to which it might be put.

No member of the LSE Group nor their respective directors, officers, employees, partners or licensors provide investment advice and nothing in this document should be taken as constituting financial or investment advice. No member of the LSE Group nor their respective directors, officers, employees, partners or licensors make any representation regarding the advisability of investing in any asset. A decision to invest in any such asset should not be made in reliance on any information herein. Indexes cannot be invested in directly. Inclusion of an asset in an index is not a recommendation to buy, sell or hold that asset. The general information contained in this publication should not be acted upon without obtaining specific legal, tax, and investment advice from a licensed professional.

No part of this information may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of the applicable member of the LSE Group. Use and distribution of the LSE Group index data and the use of their data to create financial products require a licence with FTSE, Russell, FTSE Canada, MTSNext, Mergent, FTSE FI, YB and/or their respective licensors.