RAFI 40 Net TRI Indices

Non-Live Data Products Specifications

Version: **1.0**

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1 VERSION CONTROL

Version	Author	Date	Reason for Change
1.0	Tshepo Modise	March 2020	Initial Document Publication

2 DISCLAIMER

This document is provided strictly for informational purposes solely for developing or operating systems for your use that interact with the market data systems of the JSE. The JSE reserves the right to withdraw, modify, or replace the specification (or any part thereof) at any time by means of a notice to contracted clients.

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3 INTRODUCTION

This document contains the file specifications of FTSE/JSE Index files that comprise of data on Index movements in the following Index products:

1. Valuations
2. Constituents
3. Tracker
4. Opening Constituents
5. Five Day Tracker

Prospective subscribers that are interested in subscribing to a data file(s) must contact the Market Data Department in writing via MDSalesTeam@jse.co.za.

3.1 FTP SITE AND FOLDERS

Data files are made available via the Information Delivery Portal (IDP), which is the JSE's primary client facing FTP server. IDP is access controlled so access to it requires an approved IDP userid and password.

When connecting to the IDP portal, users will be allowed access using different protocols. Please refer to the Information Delivery Portal Connectivity document:
https://www.jse.co.za/services/market-data/technical-documents

Access to the IDP FTP server is granted as per the following process.

3.2 CONFIRMATION OF USER ID AND PASSWORD

1. If you are a new IDP user, a representative from the JSE Market Data Support will provide you with your User name and password
2. A Market Data Account Manager from the Information Services Division will contact you to confirm receipt of the data file(s), User ID and Password.
3. The onus is on you to test as soon as you have received the above-mentioned information to ensure that you can successfully access the IDP server.

Should you experience any problems relating to the information communicated to you or the actual testing using the provided information, please contact the under-mentioned persons for assistance:

1.	Client Service Centre	011 520 7777 / 7799
2.	Market Data Department	011 520 7000

4 SECTOR CLASSIFICATION

Securities are classified according to the **ICB Classification** System,

Please refer to the link below for more information regarding the new ICB structure that was introduced on 1 July 2019:

https://www.ftserussell.com/data/industry-classification-benchmark-icb

5 EXPLANATION OF THE INDEX TREATMENT FOR SPECIFIC CORPORATE ACTIONS (DUMMY LINES IN DATA PRODUCTS)

FTSE Russell Rules regarding the use of Dummy Lines in Indices:

1.1. Dummy lines are non-tradable instruments which have been temporarily created by FTSE/JSE in order to reflect a corporate event.

1.2. The use of dummy lines is normally determined on an ad hoc basis and typically results from complexities surrounding a corporate event.

1.3. Where the use of dummy lines is necessary FTSE/JSE provides advance notification either via an Informative Notice published on the FTSE/JSE website. Dummy lines will also be visible within the standard corporate action deliverables when they are being utilized.

1.4. Dummy lines are generally used in order to ensure the index reflects the investor experience or in order to facilitate index replication by index funds.

Under this rule the JSE would add in a dummy line on ex-date to represent the distribution until after settlement date, and then subsequently delete the dummy line and increase the free float in the distributed stock on the same date.

If the distributed instrument is not eligible for index inclusion, the index divisor will change with the deletion of the dummy line.

On the ex-date of the distribution:

- The stock which is distributing its shareholding price will be adjusted.
- This is offset by the addition of a dummy line which corresponds with the value of the distribution – the terms are applied to the share figure and the price is updated nightly to match the close price of the stock which is being distributed.
- Market cap neutral for all holders.

T + 2 from the settlement occurring:

- The dummy line is deleted.
- The stock which has been distributed has it's free float adjusted to reflect the terms distributed into the index.
- Market cap neutral only for the shared indexes.

An ISIN will be generated to contain the word 'DUMMY' in order to distinguish it from other securities.

N.B. Please refer to FTSE Russell Corporate Actions and Events Guide for Market Capitalisation Weighted Indexes on this link: Click Here

6 FILE LOCATIONS

6.1 FILES THAT WILL BE PLACED IN THE IDP FTP SERVER

File Name	File Description	FTP Location
jnr4v	FTSE/JSE RAFI 40 Index Net TRI Valuation Service	Index Values
jnr4t	FTSE/JSE RAFI 40 Index Net TRI Tracker Service	Trackers

7 FTSE / JSE RAFI 40 PRODUCT MAKEUP

7.1 VALUATIONS DATA FILES (INDEX VALUES)

CSV Report(s)

Report Name	AAAAv<DDMM>.csv	
Report type	**CSV**	
Delimiter	comma ","	
Section Delimiter	YYYYYYYYYY	
File Delimiter	XXXXXXXXXX	
Total rows	Varies	
Total columns	Fixed - 36	
Heading		
	Actual/<Pattern>/(Example)	**Row, Column**
Report Date	<dd/mm/yyyy>(a) an	1, 1
Report Title	FTSE/JSE RAFI 40 Index Net TRI Valuation Service	2, 1
Column headings		4,1-36
	Detail	
Field Name	**Field Description**	**Column No.**
Index Code	Each index is identified by a unique code	1
Index/Sector Name	Index sector name	2
Number of Constituents	Number of lines of stock included in index calculation (including secondary lines), as at today's market close	3
Index Base Currency	Index price in Rands	4
USD Index	Index price in US Dollars	5
GBP Index	Index price in British Pounds	6
EUR Index	Index price in EUROS	7
JPY Index	Index price in Yen	8
AUD Index	Index price in Australian Dollars	9
CNY Index	Index price in Chinese Yuan	10

HKD Index	Index price in Hong Kong Dollars	11
CAD Index	Index price in Canadian Dollars	12
LOC Index	Blank	13
Base Currency (ZAR) Index	Index price in Rands	14
USD TRI	Today’s total return index value in US Dollars	15
GBP TRI	Today’s total return index value in British Pounds	16
EUR TRI	Today’s total return index value in EURO	17
JPY TRI	Today’s total return index value in Yen	18
AUD TRI	Today’s total return index value in Australian Dollars	19
CNY TRI	Today’s total return index value in Chinese Yuan	20
HKD TRI	Today’s total return index value in Hong Kong Dollars	21
CAD TRI	Today’s total return index value in Canadian Dollars	22
LOC TRI	Blank	23
Base Currency (ZAR) TRI	Today’s total return index value in Rands	24
Mkt Cap (USD)	Market capitalisation in US Dollars	25
Mkt Cap (GBP)	Market capitalisation in British Pounds	26
Mkt Cap (EUR)	Market capitalisation in EURO	27
Mkt Cap (JPY)	Market capitalisation in Japanese Yuan	28
Mkt Cap (AUD)	Market capitalisation in Australian Dollars	29
Mkt Cap (CNY)	Market capitalisation in Chinese Yuan	30
Mkt Cap (HKD)	Market capitalisation in Hong Kong Dollars	31
Mkt Cap (CAD)	Market capitalisation in Canadian Dollars	32
Mkt Cap (LOC)	Blank	33
Mkt Cap Base Currency (ZAR)	Net market capitalisation (i.e. after the application of free float and weight adjustment factor) in Rand millions at market close	34
XD Adjustment (YTD)	Ex-dividend adjustment year to date	35
Dividend Yield	Dividend yield of the index	36

7.2 TRACKERS DATA FILES

7.2.1 Index Level data

CSV Report(s)

Report Name	AAAAt<DDMM>.csv	
Report type	**CSV**	
Field Delimiter	comma ","	
Section Delimiter	YYYYYYYYYY	
File Delimiter	XXXXXXXXXX	
Total rows	Varies	
Total columns	Fixed - 19	
Heading		
	Actual/<Pattern>/(Example)	**Row, Column**
Report Date	<dd/mm/yyyy>(a) an	1, 1
Report Title	FTSE/JSE RAFI 40 Index Tracker Service	2, 1
Report Sub Title	TRACK01 - Index level data	4,1
Column headings		6,1-19
Detail		
Field Name	**Field Description**	**Column No.**
Index Code	Each index is identified by a unique code	1
Index/Sector Name	Index sector name	2
Current Number of Constituents	Number of constituents included in the index calculation (including secondary lines), as at market close	3
New Number of Constituents	Adjusted number of constituents included in the index calculation (including secondary lines), after effected changes	4
Current Market Cap (USD)	Previous closing weighted market capitalization in USD currency in millions	5
New Market Cap (USD)	Current closing weighted market capitalization in USD currency in millions, after amendments effective today	6
New TRI Market Capitalisation (USD)	New Total Return Index Current closing weighted market capitalization in USD currency in millions, after amendments effective today	7
Current Market Cap Base Currency	Net market capitalisation (i.e. after the application of free float and weight adjustment factor) of	8

(ZAR)	the index in Rand millions, at market close	
New Market Cap Base Currency (ZAR)	Net market capitalisation of the index in Rand millions, after the application of the effected changes (caused by corporate actions or index reviews)	9
New TRI Market Capitalisation Base Currency (ZAR)	Net market capitalisation of the index in Rand millions, after the application of the effected changes (caused by corporate actions or index reviews)	10
Current Divisor (USD)	Index divisor as at market close.	11
New Divisor (USD)	Adjusted index divisor after effected changes	12
Current Divisor Base Currency (ZAR)	Previous index divisor, millions (ZAR)	13
New Divisor Base Currency (ZAR)	Current index divisor, millions (ZAR)	14
Current TRI Divisor (USD)	Previous Total Return index divisor, millions (USD)	15
New TRI Divisor (USD)	Current Total Return index divisor, millions (USD)	16
New TRI Market Capitalisation Base Currency (ZAR)	New Total Return Index Current closing weighted market capitalization in ZAR currency in millions, after amendments effective today	17
New TRI Divisor Base Currency (ZAR)		18
XD Adjustment Value	Total ex-dividend adjustment value for the index	19

7.2.2 Stock level data – weighting amendments

CSV Report(s)

Report Name	AAAAt<DDMM>.csv	
Report type	**CSV**	
Field Delimiter	comma ","	
Section Delimiter	YYYYYYYYYY	
File Delimiter	XXXXXXXXXX	
Total rows	Varies	
Total columns	Fixed - 29	
Heading		
	Actual/<Pattern>/(Example)	**Row, Column**
Report Date	<dd/mm/yyyy>(a) an	1, 1
Report Title	FTSE/JSE RAFI 40 Index Tracker Service	2, 1
Report Sub Title	TRACK02 - Stock level data - weighting amendments	10,1
Column headings		,1-29
Detail		
Field Name	**Field Description**	**Column No.**
Cons Code	Unique constituent code derived by FTSE	1
SEDOL	Stock Exchange Daily Official List identifier, a unique identifier of securities used in the United Kingdom and Ireland for clearing purposes	2
ISIN	The ISIN (International Securities Identification Number) uniquely identifies all Active and Suspended securities internationally	3
CUSIP	Committee on Uniform Securities Identification Procedures (CUSIP), a unique identifier of securities specific to United States and Canada	4
Local Code	Equity Alpha Code	5
BBG Ticker	Unique identifier of companies in Bloomberg	6
Reserved Field	Reserved Field	7
Constituent Name	Name of constituent (Tradable instrument as provided by FTSE)	8
Country Code	Country code for constituent (SAF)	9

ISO Code	ISO currency code for constituent (ZAR)	10
MIC	Market Identifier Code	11
Index Marker	Each index is identified by a unique code	12
Current Subsector Code	Closing ICB sub-sector code as at market close	13
New Subsector Code	New ICB sub-sector code for the next day market open	14
Closing Price	Closing price at market close in Rand	15
Price Adjustment Factor	Price adjustment factor, e.g. in the case of a corporate action related to a capital repayment	16
Adjusted Price	Opening price for the next trading day in Rand	17
Current Shares in Issue	Shares in issue figure at market close	18
New Shares in Issue	New shares in issue figure for next day market open	19
Current Investability Weighting	Percentage of shares in issue included in index calculation at market close (i.e. free float)	20
New Investability Weighting	New free float percentage for next day market open	21
Reserved Field	Reserved Field	22
Reserved Field	Reserved Field	23
Current Weight Adjustment Factor	Constituent market capitalisation adjustment factor incorporating the fundamental factor for the next day market open	24
New Weight Adjustment Factor	New Constituent market capitalisation adjustment factor incorporating the fundamental factor for the next day market open	25
Current Index Shares	Closing Shares in issue	26
New Index Shares	Opening Shares in issue	27
Amendment Code	FTSE code for weighting and housekeeping amendments	28
Amendment Notes	Details, where available, on FTSE amendment code	29

7.2.1 Stock level data – Ex-dividend changes

CSV Report(s)

Report Name	AAAAt<DDMM>.csv	
Report type	**CSV**	
Field Delimiter	comma ","	
Section Delimiter	YYYYYYYYYY	
File Delimiter	XXXXXXXXXX	
Total rows	Varies	
Total columns	Fixed - 25	
Heading		
	Actual/<Pattern>/(Example)	**Row, Column**
Report Date	<dd/mm/yyyy>(a) an	1, 1
Report Title	FTSE/JSE Tracker Product	2, 1
Report Sub Title	JSETCK03	15,1
Column headings		,1-25
Detail		
Field Name	**Field Description**	**Column No.**
Cons Code	Unique constituent code derived by FTSE	1
SEDOL	Stock Exchange Daily Official List identifier, a unique identifier of securities used in the United Kingdom and Ireland for clearing purposes	2
ISIN	The ISIN (International Securities Identification Number) uniquely identifies all Active and Suspended securities internationally.	3
CUSIP	Committee on Uniform Securities Identification Procedures (CUSIP), a unique identifier of securities specific to United States and Canada	4
Local Code	Equity Alpha Code	5
BBG Ticker	Unique identifier of companies in Bloomberg	6
Reserved Field	Reserved Field	7
Constituent Name	Name of constituent (tradable instrument as provided by FTSE).	8
Country Code	Country code for constituent (SAF)	9

MIC	Market Identifier Code	10
Subsector Code	ICB Subsector Code	11
Shares in Issue	Shares in issue figure used in the index series	12
Investability Weight	Percentage of shares in issue included in index calculation (determined by one – year forecast dividend yield).	13
Reserved Field	Reserved Field	14
Weight Adjustment Factor	Constituent market capitalisation adjustment factor incorporating the fundamental factor for the next day market open	15
Index Shares	Shares in issue multiplied by Investability weighting multiplied by WAF	16
Ex-Dividend Date	Date the security is XD	17
Dividend Amount	Dividend amount in Rand	18
ISO Code	ISO code for constituent (ZAR)	19
Tax Domicile	Tax domicile	20
Tax Rate	Tax Rate	21
Index Marker	String of max 12 index codes to which this constituent/tradable instrument belongs	22
XD Adjustment Value	Ex-dividend adjustment value for constituent	23
FTSE Dividend Code	FTSE codes for the types of dividend payments	24
FTSE Dividend Notes	Details, where available, on FTSE dividend code	25