



NAFEX

The Nigerian Autonomous Foreign Exchange Fixing Methodology

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1. INTRODUCTION

This document provides a summary of the methodology that FMDQ Securities Exchange Limited (“**FMDQ Exchange**” or the “**Exchange**”) applies to compute the Nigerian Autonomous Foreign Exchange Fixing (“**NAFEX**”).

2. BACKGROUND

FMDQ Exchange is a securities exchange with a mission to empower markets for economic progress towards delivering prosperity. This mission is achieved by providing the secondary market with a world-class market governance and development service to the benefit of market participants and in support of the objectives of the financial services regulators. Consequently, FMDQ Exchange is committed to publishing independent and transparent benchmark rates which, based on its methodology, are reasonably designed to be reflective of the market at the time of the fix, and to promote market transparency.

FMDQ Exchange Benchmarks meet the requirements of domestic regulations as well as the International Organisation of Securities Commissions (“**IOSCO**”) Principles for Financial Benchmarks (“**PFB**”) on governance, quality of the methodology and accountability mechanisms.

NAFEX is the reference rate for Spot Foreign Exchange (“**FX**”) operations in the Autonomous FX Market which comprises recognised FX trading segments, including but not limited to the Inter-bank market, the Investors’ and Exporters’ FX Window and any such approved and recognised trading segment as may be defined from time to time. NAFEX is designed and generated independently and objectively and is published every business day at a specific time.

2.1. Uses of NAFEX

An FX Benchmark is an essential component of the Nigerian financial system. Its importance to the financial industry and other non-financial sectors arises from the impact of a country’s exchange rate on almost all sectors of the economy.

NAFEX will benefit the Nigerian economy in general, and the financial industry, in a number of ways, including:

- Serving as a Benchmark for the settlement of FX derivatives
- Promoting transparency and awareness of USD/NGN rates
- Enabling foreign and local investors benefit from a market-driven independent reference rate
- Developing hedge products and derivatives, thus improving the standard of the Nigerian FX market
- Providing growth and income potentials for market players through the trading of hedging products
- Serving as a benchmark for portfolio valuations, conversions, performance measurement and audits

2.2. Key Considerations

2.2.1. Benchmark Administrator

FMDQ Exchange is the benchmark administrator for NAFEX and thus has primary responsibility for all aspects of the benchmark determination process. This process includes the development, determination, dissemination, operation, and governance of NAFEX.

2.2.2. Active Market

FMDQ Exchange recognises that to enable the publication of a meaningful benchmark, a market in the currency pair represented by the benchmark must genuinely exist and that market must be active. However, the economic realities will dictate the relative meaning of what ‘active’ means, as market liquidity can vary significantly at particular times of the day. FMDQ Exchange applies the IOSCO Principles for Financial Benchmarks 7 & 8 – “Data Sufficiency” & “Hierarchy of Data Inputs” in determining thresholds for an “active market.”

2.2.3. Data Sourcing

FMDQ Exchange may use transactional data entered into on an arm’s length basis between buyers and sellers in the market, where that data is available and reflects sufficient liquidity. In a market where liquidity levels are low, the benchmark may be based predominantly or exclusively on contributed quotes.

2.2.4. Governance and Transparency

FMDQ Exchange is subject to a corporate risk framework which is based on three (3) lines of risk management:

- i. Business procedures and controls are designed to promote consistency throughout the process.
- ii. The application of independent governance, reporting and risk management. The Board of Directors and relevant Board Committees are responsible for oversight of FMDQ Exchange Benchmark, including reviewing and advising on the policies and methodologies by which FMDQ Exchange calculates, administers, and publishes the Benchmark.
- iii. FMDQ Exchange Benchmarks are discussed and adopted by an Oversight Committee i.e., the Market Review Committee, consisting of members of the FMDQ Exchange Management Team who perform the required due diligence on the proprietary Benchmarks.

2.2.5. Exercise of Expert Judgment

FMDQ Exchange may exercise discretion on the use of data in determining a Benchmark. The calculation of a Benchmark includes a validation process whereby, among other steps, FMDQ Exchange reviews data and fixes rates under certain pre-determined tolerance checks. When applying tolerance checks, FMDQ Exchange has the discretion (subject to internal policies and procedures) to include or reject certain data from the calculation of the Benchmark. Based on FMDQ Exchange’s experience in interpreting market data, FMDQ Exchange shall apply expert judgment when necessary with the intent of ensuring the quality and integrity of the Benchmark. Consequently, FMDQ Exchange has put in place

internal guidelines and quality control procedures that govern the application of “Expert Judgment” and are intended to provide consistency and oversight to the process.

2.2.6. Frequency of Reviews

FMDQ Exchange shall conduct an annual review of the Benchmarks methodology to ensure that the approach adopted towards calibrating the fix considers market trends and observations.

3. BENCHMARK DYNAMICS

3.1. Benchmark Methodology

NAFEX Spot rates shall be determined as detailed below and contributing banks shall be expected to submit only ‘professional spot quotes’. Where a contributing bank submits an unprofessional quote, such a quote will automatically be disqualified from the NAFEX computation. Contributing banks shall quote single rates for transaction sizes of \$500,000.00 and above or as advised by FMDQ Exchange, at the time of the poll.

- i. NAFEX shall be polled, calculated and published using a trimmed arithmetic mean from the submission of ten (10) quotes, selected based on submission times of the fifteen (15) Reference banks. i.e., FMDQ Exchange will assess the time stamp for Reference Banks’ submissions to determine the hierarchy and select the top (10) submissions.
- ii. Upon receipt of quotes, the individual contributing banks’ submission is ranked in descending order. The arithmetic mean of the rates are then calculated to two (2) decimal places and disseminated as the NAFEX Spot Rate.
- iii. NAFEX shall be published daily by 12:00noon.
- iv. NAFEX will be published provided that two (2) or more quotes are obtained on a daily basis.
- v. The calculation methodology shall remain the same irrespective of the number of submissions received.
- vi. If data remains insufficient, i.e., one (1) or less quotes received, by 12:00 noon, FMDQ Exchange shall activate the NAFEX Contingency plan as detailed below.

3.2. Contingency Plan

- i. In instances where there are quotes below the documented threshold, the previous day’s NAFEX shall be maintained and published as the current NAFEX.
- ii. In circumstances of a force majeure event, leading to the unavailability of quotes in the market, the previous day’s NAFEX will be maintained and published as the current NAFEX.
- iii. Any republished rates from the previous business day shall be identified as such on the FMDQ¹ Exchange e-Markets Portal.
- iv. After five (5) consecutive business days of republishing the previous day’s NAFEX (in this case, the NAFEX of 5 business days prior), an FMDQ Exchange Market Review Committee meeting shall be

¹ Please contact the FMDQ Exchange Business Development Team – mbg@fmdqgroup.com for further details

convened in a special session to devise a strategy for the appropriate determination of future NAFEX during the extreme market condition, towards preserving the continuity of the NAFEX publication.

4. PUBLICATION

NAFEX Spot Rate is available in three (3) packages – Real-time, 24-hour Delayed and Historical:

- **Live Fix:** Available at 12:00 noon daily via the FMDQ Exchange e-Markets Portal
- **Delayed (24 hours):** Published via the FMDQ Group website²
- **Historical:** Available via the FMDQ Exchange e-Markets Portal

² www.fmdqgroup.com