

APPROVED
By ITS Ltd Senior Executive Officer order
№310/10 from «05» November 2024

**INAV CALCULATION
METHODOLOGY**

November 2024

1. Terms and Definitions

1.1. For the purpose of this document, the defined terms used herein shall have the following meaning:

Calculation Agent is a Private Company International Trading System Limited (“ITS Ltd.”).

Closing Price is a security's Trade Price published by the Respective Trading Facility and determined in accordance with the Respective Trading Facility regulations.

Constituent is a security included in the Fund Portfolio.

ETF is an Exchange-Traded Fund, that is, a basket of securities traded on a stock exchange or an MTF.

Fund Manager is an eligible legal entity that administers the ETF.

Fund Portfolio is a list of Constituents.

INAV is an intra-day Indicative Net Asset Value of an ETF based on the market values of its underlying assets.

MTF is Multilateral Trading Facility, that is, a system, which brings together multiple third parties buying and selling investments, rights or interests in investments.

NAV is a Net Asset Value, that is, a value of a fund's assets minus the value of its liabilities, calculated daily.

Respective Trading Facility is a stock exchange or an MTF where the Constituent is traded. The Respective Trading Facilities are listed in Appendix 1.

Security is a financial instrument listed or admitted to trading on the Respective Trading Facilities.

Trading Day is the day when trading of a security takes place on the Respective Trading Facility.

Trade Price in respect of a Constituent is the most recently published price, at which the Constituent was traded on the Respective Trading Facility.

1.2. Terms that are not defined in the current methodology are used in accordance with legislation.

2. Underlying principles

2.1 INAV provides a real-time estimate of an ETF's value based on the fair market prices of its underlying securities during trading hours.

2.2 INAV values are typically derived from the actual Fund Portfolio, utilizing real-time Trade Prices from the Respective Trading Facilities. Fund Portfolio is updated daily, provided directly by the Fund Manager.

3. Schedule and Calculation Frequency

3.1 INAV calculation is performed on every Trading day in accordance with Respective Trading Facility trading hours where ETF is traded, as defined in Appendix 2.

3.2 Calculation frequency is stated in Appendix 2.

4. Calculation Method

$$iNAV_{k,t} = \frac{\sum_i^{N_k} (Quantity_{i,t} * Last Price_{i,t}) / FX_{i,t}}{S_{k,t}} + \frac{C_{k,t}^{est}}{S_{k,t}}$$

Where:

$iNAV_{k,t}$	-	INAV value of the ETF k at time t
κ	-	ETF
t	-	INAV calculation timestamp
N_k	-	Number of constituents in the ETF k at time t
i	-	Constituent
$Quantity_{i,t}$	-	Number of shares of constituent i at time t
$Last Price_{i,t}$	-	Last price of constituent i at time t
$FX_{i,t}$	-	Currency conversion factor at time t
$C_{k,t}^{est}$	-	Estimated cash component of ETF k at time t
$S_{k,t}$	-	Number of shares of ETF k at time t

5. Pricing Sources

- 5.1 The prices for calculation are taken from the Respective Trading Facilities as defined in Appendix 1.
- 5.2 When a Constituent's real-time Trade Price is not accessible from the Respective Trading Facilities, other pricing sources, deemed trustworthy at the moment, will be used to obtain the data. If that is not possible, the Constituent's Closing Price will be used as a fallback.
- 5.3 If a Constituent is denominated in a currency that is different from the ETF's currency, then the exchange rate will be used to convert the Trade Price into the ETF's currency. Calculation Agent can use different sources of exchange rates as outlined in Appendix 3.

6. Disclaimer

The methods outlined in this document reflect ITS Ltd.'s standard approach to calculating INAV. To ensure the highest quality of its products, ITS Ltd. exercises great care in calculating INAV; however:

- 6.1 It cannot guarantee that these calculations are always free from errors, and it accepts no liability for any direct or indirect losses resulting from inaccuracies in the INAV.
- 6.2 Decisions regarding the INAV calculation are made by ITS Ltd. to the best of its knowledge and belief, and the company will not be liable for any losses from these decisions.

- 6.3 Additionally, the INAV values from ITS Ltd. should not be seen as investment recommendations, and the compilation and calculation of these INAVs do not imply any advice to buy or sell any of the underlying securities, ETFs, or the underlying basket of securities.
- 6.4 Since this methodology aims to align with that of the Fund Manager, it may be adjusted to address specific aspects of the Fund Portfolio, the treatment of particular Constituents in NAV calculations, or other variations among security classes.

**Appendix 1
Respective Trading Facilities**

Short name	Full name	Website
ITS Ltd.	International Trading System Limited	https://itsx.kz
AIX	Astana International Exchange	https://aix.kz

**Appendix 2
Schedule and Calculation Frequency**

ITS Ltd. Trading Hours	From 10:00 am to 03:45 am Astana time (UTC +5)
INAV Calculation Frequency	Every 3 seconds throughout the Trading Day

**Appendix 3
Exchange Rate Sources**

Currency	Exchange rate source
KZT	National Bank of the Republic of Kazakhstan