



# Quality in, quality out: ICE iNAV fixed income calculations use continuous evaluated pricing

ICE Data Indices, LLC (“ICE Data Indices”) Indicative Net Asset Value (iNAV and also known as IOPV or iiv) calculation service provides quality information to ETF investors so they can efficiently evaluate their positions, make better-informed trading decisions, and enhance their transaction cost analysis (TCA).

ICE Data Pricing and Reference Data, LLC’s Continuous Evaluated Pricing – CEP empowers funds to calculate NAVs at any time during the trading day, using continuously updated evaluations for constituent securities. This facilitates the intraday monitoring of a fund’s holdings to help identify and isolate those positions most likely to require review during the official NAV setting process.

With CEP, iNAV Fixed Income clients have the option to use the Bid, Mid or Ask most recent price. The CEP is updated as market information is received and processed. For constituents where CEP is not available, the prior day’s end-of-day evaluation, or a client-provided price, may be used in the iNAV calculation.

**Using ICE CEP in our iNAV offering provides intra-day updates for Fixed Income ETFs throughout the trading day**

**ICE calculates intra-day Fixed Income iNAVs globally for passive and actively managed Fixed Income ETFs**

## ICE CEP Global Coverage

### U.S., EMEA and ASIA PAC

- Corporate and sovereign bonds
- Convertible bonds
- Money market instruments
- Bank loans

### U.S.

- MBS TBAs
- MBS pass-throughs
- Agency/government sponsored enterprise (GSE) debentures
- Preferred stocks
- Municipal bonds

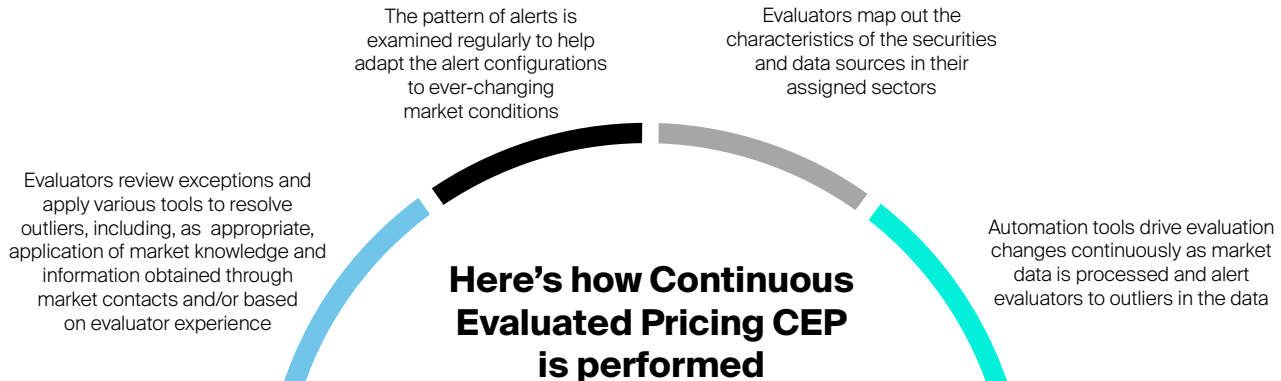
## Overview of intra-day evaluation process

The ICE Data Services parsing tool processes millions of pieces of market data daily



## Data source inputs to create an ICE CEP

- **Publicly available trades** including TRACE® reported trades for corporate bonds, CMOs transactions under \$1 million in size (calculated based on original principal balance), certain ABS and TBA and Agency/GSE securities. Electronic feeds of MSRB reported trades for municipal securities.
- **Benchmark yields and issuer spread data**
- **Privately shared trades** from transaction reporting services and unstructured data, such as emails from market participants
- **Executable markets on various platforms** from electronic communication networks (ECNs)
- **Indicative quotes and axes** as inputs from dealer runs
- **Comparable input data** includes observed market movements, sector news and relevant credit information



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Fixed income evaluations, continuous evaluated pricing (CEPTM), end-of-day evaluations, evaluated curves, model based curves, Market Sentiment scores, Size-Adjusted Pricing, and Fair Value Information Services related to securities are provided in the U.S. through ICE Data Pricing & Reference Data, LLC and internationally through ICE Data Services entities in Europe and Asia Pacific. ICE Data Pricing & Reference Data, LLC is a registered investment adviser with the U.S. Securities and Exchange Commission. Additional information about ICE Data Pricing & Reference Data, LLC is available on the SEC's website at [www.adviserinfo.sec.gov](http://www.adviserinfo.sec.gov). A copy of ICE Data Pricing & Reference Data, LLC's Form ADV is available upon request.

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