



ICE Data Indices, LLC Benchmark Statement

Sectors Index Family

February 2021

1. Introduction	2
2. Benchmark Statement	4
3. Disclaimer	16
4. Appendix 1 - Indices within the Sectors Index Family.....	20



ICE Data Indices Benchmark Statement

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1. Introduction

ICE Data Indices, LLC (“IDI”) is a U.S. subsidiary of Intercontinental Exchange, Inc. (“ICE”), and is the administrator for the following indices that are collectively referred to as the “ICE Indices”:

- **Fixed Income Indices:** A wide range of indices, generally branded under the ICE and ICE BofA names, covering the global bond markets, including broad investment grade, high-yield and emerging markets, as well as convertible and preferred securities.
- **Equity Indices:** A diverse set of indices, generally branded under the ICE and NYSE names, that include blue chip, national and regional indices as well as sector, smart beta, and thematic indices.

- Sustainability Indices¹: A range of fixed income and equity indices, branded under the ICE name, that account for Environmental, Social and Governance (ESG) factors in addition to other criteria. Fixed Income Sustainability and Equity Sustainability Indices are included within the respective Fixed Income and Equity index families described above.
- Currency Indices: A series of individual spot currency, currency basket and crypto currency indices, branded under the ICE, ICE BofA and NYSE names, including the ICE U.S. Dollar Index (DXY), the leading FX index benchmark for the U.S. Dollar.
- Futures Indices: A series of indices, branded under the ICE and ICE BofA names, that track production weighted baskets of the most liquid commodity futures contracts and Carbon Futures (“the Commodity Indices”) and ICE U.S. Treasury Futures Indices.
- Volatility Indices: A series of indices, branded under the ICE and ICE BofA names, that track implied volatility in the USD treasury option and swaption markets.

More information on the above index categories can be seen at: <https://www.theice.com/market-data/indices>

This benchmark statement has been created in accordance with Article 27 of the European Benchmark Regulation (“the EU BMR”)² and the supplementary delegated regulation (EU) 2018/1643³ and delegated regulation (EU) 2020/1816⁴, (EU) 2020/1817⁵ and (EU) 2020/1818⁶ on the content of benchmark statements.

References in this document to EU Regulations or Directives (including the EU BMR and applicable Commission Delegated Regulation) include, in relation to the UK, those Regulations or Directives as they form part of UK domestic law by virtue of the European Union (Withdrawal) Act 2018 or have been implemented in UK domestic law, as appropriate.

IDI, has been recognized in the UK as a third country Benchmark Administrator for purposes of Article 32 of the EU BMR with the FCA as the relevant competent authority.

The benchmarks which are available for use by supervised entities in the United Kingdom are published on the FCA register https://register.fca.org.uk/s/resources#Other_registers, under Third Country Benchmarks Register.

¹ Sustainability Indices do not take into account the EU Taxonomy disclosures nor the EU criteria for environmentally sustainable investments. Please refer to the rules and methodologies for each of the ICE Sustainability Indices for additional information.

² <https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32016R1011&from=EN>

³ COMMISSION DELEGATED REGULATION (EU) 2018/1643 of 13 July 2018 <https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=OJ:L:2018:274:FULL&from=EN>

⁴ <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32020R1816>

⁵ <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32020R1817>

⁶ <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32020R1818>

2. Benchmark Statement

	Relevant EU BMR or RTS provision	Requirement	IDI's Response
General Disclosure Requirements			
1	RTS Art(1)(1)(b)	The benchmark statement shall state: (b) where available, the international securities identification number (ISIN) of the benchmark or benchmarks; alternatively, for a family of benchmarks, the statement may provide details of where the ISINs are publicly accessible free of charge;	ISINs are not currently assigned to the indices.
2	RTS Art(1)(1)(c)	The benchmark statement shall state: (c) whether the benchmark, or any benchmark in the family of benchmarks, is determined using contributions of input data;	The Sectors Index Family does not use contributions of input data.
3	RTS Art(1)(1)(d)	The benchmark statement shall state: (d) whether the benchmark or any benchmark in the family of benchmarks qualifies as one of the types of benchmarks listed under Title III of Regulation (EU) 2016/1011, including the specific provision by virtue of which the benchmark qualifies as that type.	The indices in the Sectors Index Family qualify as regulated data benchmarks by virtue of point 24(a)(vii) of Article 3(1) of Regulation (EU) 2016/1011. The Sectors Index Family contains only non-significant benchmarks as defined under point (27) of Article 3(1) of Regulation (EU) 2016/1011
4	RTS Art(1)(2)(a)	In defining the market or economic reality, the benchmark statement shall include at least the following information: (a) a general description of the market or economic reality;	The market or economic reality that the indices in the Sectors Index Family intends to represent is described in the individual Methodology for each Index which can be found, free of charge,

			on the IDI Website https://www.theice.com/market-data/indices/equity-indices/methodologies . The indices within the Sectors Index Family are listed, and updated from time to time, in Appendix 1 of this Statement.
5	RTS Art(1)(2)(b)	In defining the market or economic reality, the benchmark statement shall include at least the following information: (b) the geographical boundaries, if any, of the market or economic reality;	The geographical boundaries of the indices within the Sectors Index Family are described in the individual Methodology documents which can be found, free of charge, on the IDI Website https://www.theice.com/market-data/indices/equity-indices/methodologies
6	RTS Art(1)(2)(c)	In defining the market or economic reality, the benchmark statement shall include at least the following information: (c) any other information that the administrator reasonably considers to be relevant or useful to help users or potential users of the benchmark to understand the relevant features of the market or economic reality, including at least the following elements insofar as reliable data on these elements is available: (i) information on actual or potential participants in the market; (ii) an indication of the size of the market or economic reality.	Not applicable - the Sectors Index Family consists of non-significant benchmarks only

7	EU BMR Art27(2)(g)	A benchmark statement shall contain at least: (g) the identification of potential limitations of the benchmark, including its operation in illiquid or fragmented markets and the possible concentration of inputs.	<p>All of the indices within the Sectors Index Family may be subject to potential limitations, such as a decline in the pool of available eligible securities due to advancements in technology, shifts in demographic spending or the economy, changes in regulation or accounting rules, consolidation in certain sectors or industries, or other factors. Other limitations may include the ability of the Benchmark to operate in illiquid or fragmented markets.</p> <p>In addition, as each individual index within the Sectors Index Family is, by design, focused on a particular sector, it may be subject to change or limitations as the underlying markets in that sector transform due to situations such as consolidation and technology transformation.</p> <p>IDI seeks to manage and mitigate these limitations through the Benchmark design, review and oversight process.</p>
8	RTS Art(1)(3)(a)	In defining the potential limitations of the benchmark and the circumstances in which the measurement of the market or economic reality may become unreliable, the benchmark statement shall include at least: (a) a description of the circumstances in which the administrator would lack	See Response to part 7

		sufficient input data to determine the benchmark in accordance with the methodology;	
9	RTS Art(1)(3)(b)	In defining the potential limitations of the benchmark and the circumstances in which the measurement of the market or economic reality may become unreliable, the benchmark statement shall include at least: (b) where relevant, a description of instances when the accuracy and reliability of the methodology used for determining the benchmark can no longer be ensured, such as when the administrator deems the liquidity in the underlying market as insufficient;	Not applicable - the Sectors Index Family consists of non-significant benchmarks only
10	RTS Art(1)(3)(c)	In defining the potential limitations of the benchmark and the circumstances in which the measurement of the market or economic reality may become unreliable, the benchmark statement shall include at least: (c) any other information that the administrator reasonably considers to be relevant or useful to help users and potential users to understand the circumstances in which the measurement of the market or economic reality may become unreliable, including a description of what might constitute an exceptional market event.	Not applicable - the Sectors Index Family consists of non-significant benchmarks only
11	RTS Art(1)(4)	In specifying the controls and rules that govern any exercise of judgement or discretion by the administrator or any contributors in calculating the benchmark or benchmarks, the benchmark statement shall include an outline of each step of the process for any ex post evaluation of the use of discretion, together with a clear indication of the position of any person(s) responsible for carrying out the evaluations.	Not applicable - the Sectors Index Family consists of non-significant benchmarks only

12	RTS Art(1)(5)	In specifying the procedures for review of the methodology, the benchmark statement shall at least outline the procedures for public consultation on any material changes to the methodology.	Not applicable - the Sectors Index Family consists of non-significant benchmarks only
Content			
13	EU BMR Art27(1)(a)	The benchmark statement shall: (a) clearly and unambiguously define the market or economic reality measured by the benchmark and the circumstances in which such measurement may become unreliable;	The market measured by a given benchmark in the Sectors Index Family is described in the individual Methodology documents which can be found, free of charge, on the IDI Website https://www.theice.com/market-data/indices/equity-indices/methodologies .
14	EU BMR Art27(1)(b)	The benchmark statement shall: (b) lay down technical specifications that clearly and unambiguously identify the elements of the calculation of the benchmark in relation to which discretion may be exercised, the criteria applicable to the exercise of such discretion and the position of the persons that can exercise discretion, and how such discretion may be subsequently evaluated;	<p>The Methodology documents for the indices in the Sectors Index Family clearly sets out how they are to be calculated.</p> <p>The indices are rules-based and, as such, the calculation and weighting of constituents does not involve discretion. However, in the event where decisions relating to the determination of a Benchmark are required to maintain the integrity of the values and ensure that the Benchmark continues to operate in line with the methodology, IDI may apply Expert Judgment.</p> <p>Where Expert Judgment is required in a Benchmark determination, it may only be applied by suitably experienced and qualified staff Members on the IDI team in accordance with the Methodology. Using their expertise and knowledge, and the information available to them, they will make an assessment of what</p>

			<p>adjustment would be most appropriate to correctly reflect the Benchmark objective.</p> <p>Ultimately any exercise of Expert Judgment is overseen by the Governance Committee of IDI, which ensures that the published Methodologies have been followed.</p>
15	EU BMR Art27(1)(c)	<p>The benchmark statement shall:</p> <p>(c) provide notice of the possibility that factors, including external factors beyond the control of the administrator, may necessitate changes to, or the cessation of, the benchmark; and</p>	<p>From time to time, events outside of the control of IDI may occur that may require changes to, or cessation of indices in the Sectors Index Family.</p> <p>IDI has implemented a Transition Policy and a Benchmark Cessation Procedure, which are published on the IDI website (https://www.theice.com/market-data/indices/regulation) and which set out the steps IDI would take if termination of a benchmark was being considered.</p> <p>IDI has also published a Consultation Policy which is available on the IDI website (https://www.theice.com/market-data/indices/regulation) and which sets out the steps IDI would take if a material change was</p>

			needed in relation to an index in the Sectors Index Family.
16	EU BMR Art27(1)(d)	The benchmark statement shall: (d) advise users that changes to, or the cessation of, the benchmark may have an impact upon the financial contracts and financial instruments that reference the benchmark or the measurement of the performance of investment funds.	<p>IDI has adopted a consultation policy, a transition policy and a cessation procedure which govern the implementation of changes and the cessation process.</p> <p>When considering changes to, or the cessation of, a benchmark or a family of benchmarks in accordance with these policies and procedures, IDI takes into account the potential impact it may have on users.</p> <p>In the event that an immediate change is required to maintain the integrity of an index in the Sectors Index Family, IDI shall communicate this clearly to users.</p>
17	EU BMR Art27(2)(a)	A benchmark statement shall contain at least: (a) the definitions for all key terms relating to the benchmark	All key terms relevant to the Sectors Index Family are set out in the Methodology document for each index.
18	EU BMR Art27(2)(b)	A benchmark statement shall contain at least: (b) the rationale for adopting the benchmark methodology and procedures for the review and approval of the methodology;	<p>For each index in the Sectors Index Family, the Methodology document sets out what they intend to cover and achieve.</p> <p>Through its ongoing operational activities, IDI identifies situations where changing market</p>

			<p>conditions may suggest the need for a change in index rules or methodologies. IDI also reviews the Sectors Index Family on an annual basis to determine if it continues to represent the underlying market.</p> <p>If deemed necessary, IDI shall make changes to index rules, or consult on rule changes, in the event that a specific change is material.</p> <p>During a consultation, proposed rule changes under consideration are published in a report that is available on the public website. Feedback obtained is reviewed and final changes are approved by the IDI Governance Committee prior to announcement. The effective date and details of all adopted rule changes are announced in advance of their implementation.</p>
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19	EU BMR Art27(2)(c)	A benchmark statement shall contain at least: (c) the criteria and procedures used to determine the benchmark, including a description of the input data, the priority given to different types of input data, the minimum data needed to determine a benchmark, the use of any models or methods of extrapolation and any procedure for rebalancing the constituents of a benchmark's index;	<p>The Consolidated Tape System (CTS) or UTP Trade Data Feed (UTDF), obtained from the ICE Consolidated Feed is the primary market data source for U.S. equity real-time and closing prices.</p> <p>The ICE Consolidated Feed is the primary market data source for non-U.S. equity real-time and closing prices.</p> <p>Currency rates that are used for conversion purposes are sourced from a well-known third party. Information on the price and data sources is available in the individual methodology documents.</p> <p>Additional sources of data include market data vendors, company announcements and other official sources.</p> <p>No priority is given to certain data types in the calculation of the Sectors Indices.</p> <p>The procedures for determining the indices in the Sectors Index Family are set out in each individual Methodology document.</p>
20	EU BMR Art27(2)(d)	A benchmark statement shall contain at least: (d) the controls and rules that govern any exercise of judgement or discretion by the administrator or any contributors, to ensure consistency in the use of such judgement or discretion;	Where exercise of judgment or discretion is required in a Benchmark determination, it may only be applied by suitably experienced and qualified staff Members on the IDI team in accordance with the Methodology document. Using their expertise and knowledge, and the information available to them, they will make an assessment of what adjustment would be most

			<p>appropriate to correctly reflect the Benchmark objective.</p> <p>Ultimately any exercise of Expert Judgment is overseen by the Governance Committee of IDI, which ensures that the published Methodologies have been followed.</p>
21	EU BMR Art27(2)(e)	<p>A benchmark statement shall contain at least: (e) the procedures which govern the determination of the benchmark in periods of stress or periods where transaction data sources may be insufficient, inaccurate or unreliable and the potential limitations of the benchmark in such periods;</p>	<p>Actions taken by IDI for the indices in the Sectors Index Family in exceptional market conditions are outlined in the individual index Methodology documents. IDI retains the right to delay the publication of the index level or suspend the publication of the level of the index if it believes that circumstances prevent the proper calculation of the index. In the event that there is a market-wide event resulting in the complete or partial unavailability of data required for the Index calculation, IDI will take guidance from the respective source(s) and address on an event-by-event basis and communicate the action taken to its customers.</p>
22	EU BMR Art27(2)(f)	<p>A benchmark statement shall contain at least: (f) the procedures for dealing with errors in input data or in the determination of the benchmark, including when a redetermination of the benchmark is required; and</p>	<p>Reasonable efforts are made to ensure the correctness and validity of data used in index calculations.</p> <p>Where errors have occurred in the determination or calculation of an index, the decision to make a restatement will be assessed on a case by case basis. Such decision will take account of the significance; impact; age; and scale of the error.</p>

			All revisions or issues with the publication of the indices will be communicated to stakeholders during the day through the regular client communication channels; in addition, IDI may also contact clients directly; post a notice on the IDI website; send a message via the market data portal, or use other such forms of communication.
Specific disclosure requirements for regulated-data benchmarks			
23	RTS Art2(a)	In addition to the information to be included pursuant to Article 1, for a regulated-data benchmark or, where applicable, family of regulated-data benchmarks, the benchmark statement shall state at least the following in its description of the input data: (a) the sources of the input data used	The Consolidated Tape System (CTS) or UTP Trade Data Feed (UTDF), obtained from the ICE Consolidated Feed is the primary market data source for U.S. equity real-time and closing prices. The ICE Consolidated Feed is the primary market data source for non-U.S. equity real-time and closing prices.
24	RTS Art(2)(b)	In addition to the information to be included pursuant to Article 1, for a regulated-data benchmark or, where applicable, family of regulated-data benchmarks, the benchmark statement shall state at least the following in its description of the input data: (b) for each source, the relevant type, as listed in Article 3(1)(24) of Regulation (EU) 2016/1011	Article 3(1)(24)(a)(vii) of Regulation (EU) 2016/1011 applies.
Specific disclosure requirements for interest rate benchmarks			
25	RTS Art(3)	Specific disclosure requirements for interest rate benchmarks	Not applicable for the Sectors Index Family
Specific disclosure requirements for commodity benchmarks			

26	RTS Art(4)	Specific disclosure requirements for commodity benchmarks	Not applicable for the Sectors Index Family
Specific disclosure requirements for critical benchmarks			
27	RTS Art(5)	Specific disclosure requirements for critical benchmarks	Not applicable for the Sectors Index Family
Specific disclosure requirements on ESG Factors and how they are reflected in the benchmark methodology			
28	DA (EU) 2020/1816; (EU)2020/1817	Specific disclosure requirements on ESG Factors and how they are reflected in the benchmark methodology	<p>The Sectors Index Family does not take ESG factors into account in the index design and does not pursue ESG objectives.</p> <p>The Sectors Index Family consists of non-significant benchmarks only and therefore, specific disclosure requirements for significant equity and bond benchmarks and EU Climate Transition and EU Paris-aligned Benchmarks is not applicable to the Sectors Index Family.</p>
Specific disclosure requirements for EU Climate Transition Benchmarks and EU Paris-Aligned Benchmarks			
29	DA (EU) 2020/1818	Specific disclosure requirements for EU Climate Transition Benchmarks and EU Paris-Aligned Benchmarks	Not applicable for the Sectors Index Family

3. Disclaimer

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Any available index returns are hypothetical and do not represent the results of actual trading of Investable Products, and as such, do not represent actual past performance and are not indicative of any specific investment. The Content (including any of the output derived from any analytic tools or models) is not intended to predict actual results, which may differ substantially from those reflected. Past performance is not necessarily indicative of future results.

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In addition, Intercontinental Exchange, Inc. provides a wide range of services to, or relating to, many organizations, including issuers of securities, investment advisers, broker-dealers, investment banks, other financial institutions and financial intermediaries, and accordingly may receive fees or other economic benefits from those organizations, including organizations whose securities may form part of any index or other evaluation ICE Indices carries out.

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ABOUT ICE DATA SERVICES ICE Data Services is part of Intercontinental Exchange (NYSE: ICE) and offers end-to-end solutions for information, analytics index services and connectivity, with a range of proprietary data and tools for global markets across fixed income, equities, commodities, FX and options.

4. Appendix 1 - Indices within the Sectors Index Family

Index Name	Index Type	Index Ticker
NYSE® Arca Environmental Services Index	Price Return	AXENV
	Total Return	AXENVTR
NYSE® Arca Global Airline Index	Price Return	AXGAL
	Total Return	AXGALTR
NYSE® Arca Biotechnology Index	Price Return	BTK
	Total Return	BTKTR
	Net Total Return	BTKNTR
	Price Return Settlement Value	BTS
	Mini	BJE
	Mini Settlement Value	VFY
NYSE® Arca Oil Index	Price Return	XOI
	Mini	BZJ
	Mini Settlement Value	JAE
NYSE® Arca Disk Drive Index	Price Return	DDX
	Settlement Value	DDO
NYSE® FANG+™ Index	Price Return (USD)	NYFANG
	Total Return (USD)	NYFANGT
	Net Total Return (USD)	NYFANGNT
	USD Price Return Daily Settlement Value	FANGST
	USD Price Return Monthly Settlement Value	NYFANGST
	Price Return (JPY)	NYFANGJ
	Total Return (JPY)	NYFANGJT
	Daily 1.5x Leveraged USD Price Return	FANG15X
	Daily 1.5x Leveraged USD Total Return	FANGT15X

	Daily 2x Leveraged USD Price Return	FANG2X
	Daily 2x Leveraged USD Total Return	FANGT2X
	Daily 3x Leveraged USD Price Return	FANG3X
	Daily 3x Leveraged USD Total Return	FANGT3X
	Daily 1x Inverse USD Price Return	DFANG1X
	Daily 1x Inverse USD Total Return	DFANGT1X
	Daily 1.5x Inverse USD Price Return	DFNG15X
	Daily 1.5x Inverse USD Total Return	DFNGT15X
	Daily 2x Inverse USD Price Return	DFANG2X
	Daily 2x Inverse USD Total Return	DFANGT2X
	Daily 3x Inverse USD Price Return	DFANG3X
	Daily 3x Inverse USD Total Return	DFANGT3X
NYSE® Arca Defense Index	Price Return	DFI
	Settlement Value	DOI
NYSE® Arca Equal Weighted Pharmaceutical Index	Price Return	DGE
	Total Return	DGETR
NYSE® Arca Pharmaceutical Index	Price Return	DRG
	Price Return Settlement Value	DRO
	Mini	KBK
	Mini Settlement Value	VGH
NYSE® Arca Gold Miners Index	Price Return (USD)	GDM
	Total Return (USD)	GDMTR
	Net Total Return (USD)	GDMNTR
	USD Price Return Official Close	GDMOC
	Daily 1x Inverse USD Net Total Return	GDMNR1XS
	Price Return (AUD)	GDMAUD
	Total Return (AUD)	GDMAUDTR
	Net Total Return (AUD)	GDMAUDNR

	Price Return (EUR)	GDMEUR
	Total Return (EUR)	GDMEURTR
	Net Total Return (EUR)	GDMEURNR
	Price Return (GBP)	GDMGBP
	Total Return (GBP)	GDMGBPTR
	Net Total Return (GBP)	GDMGBPNR
	Price Return (JPY)	GDMJPY
	Total Return (JPY)	GDMJPYTR
	Net Total Return (JPY)	GDMJPYNR
NYSE® Arca Gold BUGS Index	Price Return	HUI
	Total Return	HUITR
	Net Total Return	HUINTR
	Price Return Settlement Value	HUV
	Daily 1x Inverse USD Gross Total Return	HUIH
NYSE® Arca Computer Hardware Index	Price Return	HWI
	Settlement Value	HWO
NYSE® Arca Securities Broker/Dealer Index	Price Return	XBD
	Price Return Settlement Value	XBS
	Mini	JBV
	Mini Settlement Value	VJW
NYSE® Arca Junior Gold BUGS Index	Price Return	JHUI
NYSE® Arca Natural Gas Index	Price Return	XNG
	Price Return Settlement Value	NGV
	Mini	MNG
	Mini Settlement Value	RJY
NYSE® Technology Index	Price Return	NYTECH
	Total Return	NYTECHTR
	Price Return Settlement Value	MVH

NYSE® Arca North American Telecommunications Index	Price Return	XTC
	Settlement Value	XTV
NYSE® Arca Networking Index	Price Return	NWX
	Settlement Value	NWV
NYSE® Biotechnology Index	Price Return	NYBIO
	Total Return	NYBIOT
NYSE® Pickens Core Midstream Index	Price Return	NYPYPE
	Total Return	NYPYPET
NYSE® TAB+ Index	Price Return	NYTAB
	Total Return	NYTABT
	Net Total Return	NYTABN
NYSE® Arca Steel Index	Price Return	STEEL
	Total Return	STEELTR
NYSE® Arca Tobacco Index	Price Return	TOB
	Settlement Value	TBO
NYSE® Arca Airline Index	Price Return	XAL
	Settlement Value	XAO
NYSE® Arca Computer Technology Index	Price Return	XCI