



The Derivatives Service Bureau (DSB)

Search User Guide

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Change History

Date	Change	Version	Author	Revision Details
10 August 2017	Creation	1.0a	DSB	Initial Version
14 August 2017	Update	1.2	DSB	Updated with 28/08/17 release changes
30 August 2017	Update	1.3	DSB	Updated examples and ANNEX section
6 November 2017	Update	1.4	DSB	Added section 2.4 Querying for ToTV data
7 September 2020	Update	1.5	DSB	Updated 'Date searches' section to include LastUpdateDateTime searches
28 March 2023	Update	2.0	DSB	Updated the document with UPI records
28 July 2023	Update	3.0	DSB	Updated with the 29/07/23 release of GUI Search Enhancements

1 Introduction

The DSB GUI provides users with the ability to search for OTC ISINs and UPIs using the methods made available through the following dedicated tabs:

- **Search by ISIN/UPI**
Search by ISIN/UPI allows the user to retrieve the details of one or more ISIN/UPIs based on their identifier. This screen only returns the input ISIN/UPIs where they are used as the primary key of the product and not as the underlier.
- **Search by Attribute**
Search by Attribute allows the user to filter attributes and/or products to retrieve the desired data. The screen allows the user to filter multiple fields and/or values to display a list of matching records based on the filter. The screen will only return records based on the criteria filtered. Note that if the number of corresponding results is more than the maximum records returned per search for the user's user type, the records displayed will be in no particular order. The attributes which can be filtered include Asset Class, Instrument Type, Product, CFI, Expiry Date and Identifier Status.
- **Advanced Search**
The advanced search screen allows the user to retrieve their required ISIN/UPIs on the basis of more complex or specific criteria using the Lucerne Query Language. Unlike Search by IDIN / UPI, Advanced Search is available through the GUI and API.

Lucerne is a powerful scripting language that enables the user to construct complex queries with specific criteria. The purpose of this document is to guide DSB users on how to use Lucene query language for the DSB's Advanced Search function to retrieve existing ISIN and or UPI records and their associated reference data.

As a reminder, users with “web-access only” are not permitted to automate any part of the DSB GUI functionality, other than the file download process.

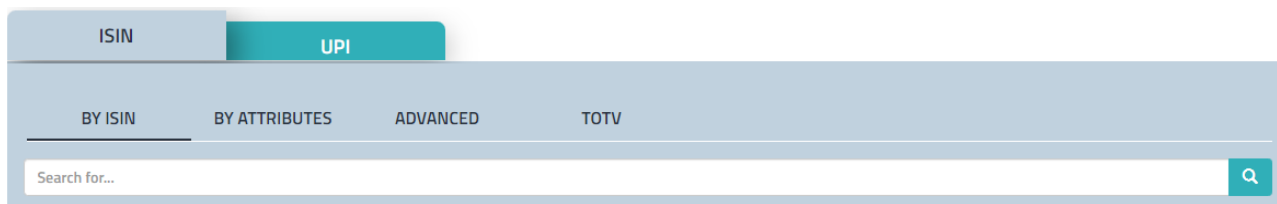
The document contains a set of examples to demonstrate the use of the Advanced Search function and these are highlighted [in blue](#).

2 Advanced Search Overview

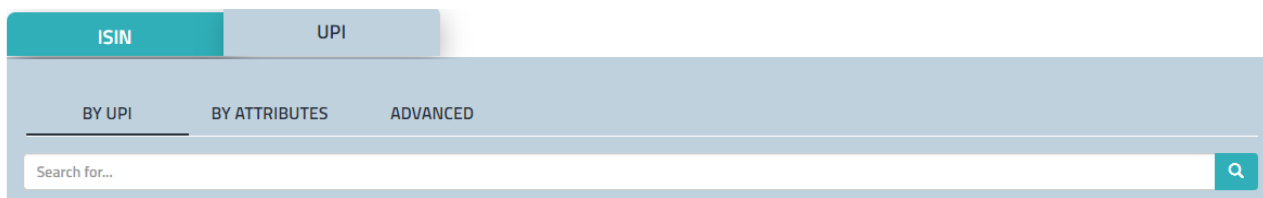
To retrieve existing records (ISIN or UPI) and their reference data, start typing search conditions in the

Search for... window and click :

ISIN:



UPI:



For web-based users: If no search conditions are specified, depending on the type of the user, ISIN or UPI records will be returned in no particular order.

The number of search results displayed will depend on the type of user, subject to the DSB's User Policy. A guideline is provided below for reference:

- 5 – for a Registered user
- 5 – for an Infrequent user
- 50 – for a Standard user
- 50 – for a Search Only API user
- 500 – for a Power user

For API users: If no search conditions are specified, then no results will be returned.

The document describes the following types of Advanced Search:

- Querying for a single term
- Querying for multiple conditions
- Querying for a phrase
- Advanced search

2.1 Querying for a single term

A single term is a single word such as *EZ8NVGX77C10* or *EUR*. Querying for a single word does not require putting it in quotes.

If the term contains any special characters such as “-“, it needs to be framed with quotes:

Wildcard search

The wildcard search is used to represent several characters or an empty string. It is often useful so that the full name need not be typed.

* - multiple character wildcard search

? - single character wildcard search

*Reuters search will return records such as:

- AED-EBOR-Reuters
- AUD-Swap Rate-Reuters
- CAD-BA-Reuters
- CAD-TBILL-Reuters

If they exist in the DSB database.

?IBO search will return records such as:

- LIBO
- TIBO

If they exist in the DSB database.

2.2 Querying for multiple conditions

Querying for multiple conditions allows users to combine or exclude keywords in a search, resulting in more focused results:

AND, OR

AND – matches documents where both terms exist anywhere in the text of a single document. The symbol **&&** can be used in place of the word AND.

OR - the default conjunction operator. This means that if there is no Boolean operator between two terms, the OR operator is used. The OR operator links two terms and finds a matching document if either of the terms exist in a document.

For example, if you search for [Amortizing Swap](#), the query will return all products that are amortizing **OR** swap. To find products that are amortizing swaps, query for [Amortizing AND Swap](#) or [Amortizing && Swap](#).

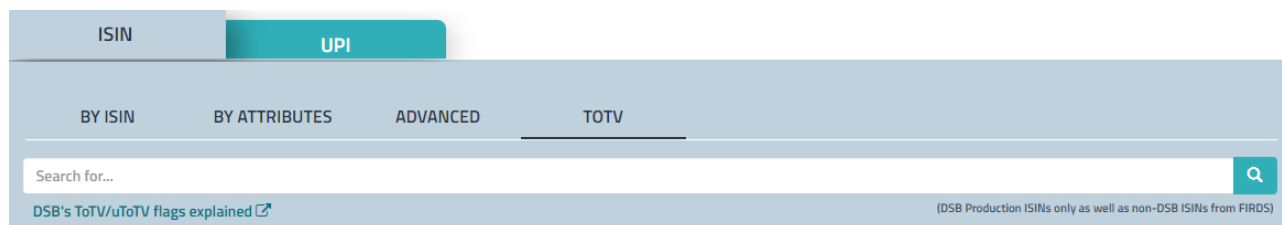
2.3 Querying for a phrase

If querying for an exact phrase, group the words by double quotes such as "Contract for Difference".

2.4 Querying for ToTV data

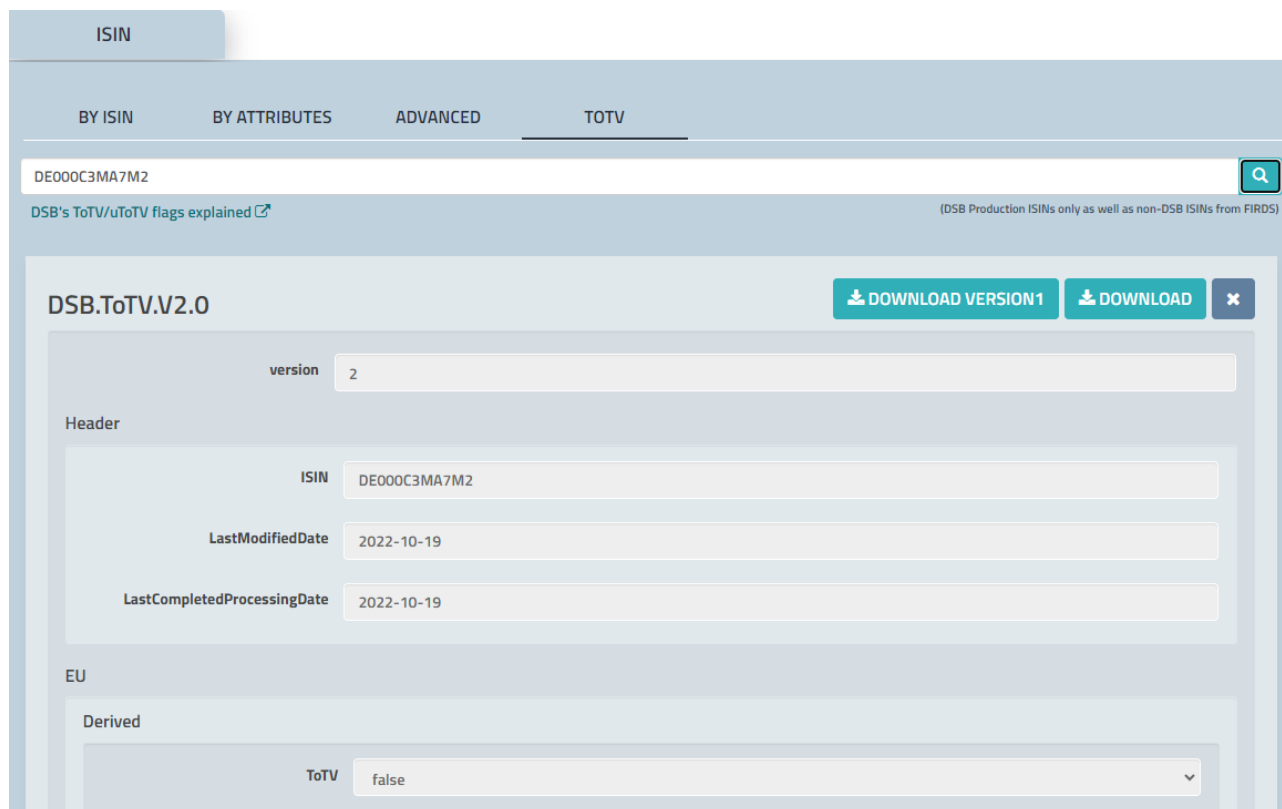
To retrieve existing ToTV records and their reference and transparency data, select ToTV checkbox,

type in a known ISIN in the **Search for...** window and click :



The ToTV search can be run for a DSB OTC ISIN or a non-OTC ISIN.

Single ISIN only can be specified in the search criteria:



If multiple ISINs are specified, the ToTV search will return Zero results.

If no search conditions are specified, i.e. no ISIN, then no results will be returned.

To download ToTV record, click

 **DOWNLOAD VERSION 1**

 **DOWNLOAD**

The JSON schema of the ToTV record is available on GitHub <https://github.com/ANNA-DSB/ToTVuToTV/tree/master/JSON>.

The ToTV record will comprise

- DSB ISIN Reference Data
- FIRDS Reference Data
- FIRDS Transparency Data
- DSB Derived fields

For details on ToTV functional requirements and JSON schema description, please refer to <https://github.com/ANNA-DSB/ToTV-uToTV>:

- [DSB ToTV and uToTV Functionality.pdf](#)
- [DSB ToTV and uToTV Schema Description.pdf](#)

Note that there will be no search by attributes for the ToTV search at Day1. Subject to industry demand, the DSB will develop search by attributes for ToTV data in Q1 2018.

2.5 Search through the DSB GUI

When user searches through the DSB website, the resulting records match only a single level (either ISIN or UPI) according to the GUI tab (page) where the user perform his search.

Searching for ISIN records:

ISIN UPI

BY ISIN BY ATTRIBUTES **ADVANCED** TOTV

Search for...

[Search Guide](#)

RESULTS [DOWNLOAD](#)

500 records found

ISIN	Asset Class	Instrument Type	Product	CFI	Expiry Date	Short Name	ISIN Status
EZSNTGJJ4S33	Foreign_Exchange	Forward	Contract_For_Dif...	JFTXCC	9999-12-31	NA/Fwd CFD EUR...	New
EZPQPXR7JM9	Rates	Swap	Inflation_Fixed_...	SRGCSP	2022-12-30	NA/Swap Infl Idx ...	Expired
EZNW9JFJ9K20	Equity	Forward	Non_Standard	JEIXFC	2023-07-31	NA/Fwd Nstd Idx ...	New
EZWKNWTHH2H5	Rates	Forward	Debt	JRMXFP	2023-07-31	NA/Fwd Dbt Oth ...	New
EZVQTV1DW497	Foreign_Exchange	Forward	Contract_For_Dif...	JFTXCC	9999-12-31	NA/Fwd CFD EUR...	New
EZSFBRW480NB	Foreign_Exchange	Forward	Rolling_Spot	JFTXFC	9999-12-31	NA/Fwd Rlg Spot ...	New
EZ586G84XQH1	Rates	Forward	Debt	JRMXSC	2023-07-12	NA/Fwd Dbt Oth ...	Expired
EZM709NFPXW4	Credit	Forward	Non_Standard	JCAASC	2023-07-27	NA/Fwd Nstd SN ...	New
EZKX1LKYM443	Commodities	Option	Multi_Exotic_Opt...	HTPHVC	2024-07-24	NA/O POLY OPTL ...	New
EZLR0XRYXZ30	Commodities	Forward	Forward	JTAXCC	2023-07-27	NA/Fwd AGRI FW...	New

Searching for UPI records:

The screenshot shows a search interface with the following elements:

- Tabs: ISIN, UPI
- Filters: BY UPI, BY ATTRIBUTES, ADVANCED
- Search bar: Search for... with a search icon.
- Search Guide: Search Guide [↗](#)
- Return Underlier ID Source: ISIN
- RESULTS section with a DOWNLOAD button.
- 500 records found
- Table with columns: UPI, Asset Class, Instrument Type, Product, CFI, Short Name, UPI Status.

UPI	Asset Class	Instrument Type	Product	CFI	Short Name	UPI Status
QZF1D2CVR56Q	Other	Forward	Non_Standard	MMSXXX	NA/Forward 0th Nstd	New
QZ4719CJNNWC	Foreign_Exchange	Forward	Contract_For_Differ...	JFTXCC	NA/Fwd CFD EUR UYI	New
QZ03NC585QPH	Rates	Swap	Inflation_Fixed_Floa...	SRGCSP	NA/Swap Infi Idx NZD	New
QZLTZXHR6H7D	Rates	Forward	Debt	JRMXSC	NA/Fwd Dbt 0th ALL	New
QZXP4VG1NZDW	Foreign_Exchange	Option	Non_Standard	HFRBVC	NA/FX 0 Nstd ALL G...	New
QZHHZ40T8LSP	Rates	Swap	Basis	SRACSP	NA/Swap Fit Fit EUR	New
QZMT80MNPMPV	Equity	Forward	Non_Standard	JEIXFC	NA/Fwd Nstd Idx	New
QZQ3D143JW2T	Commodities	Forward	Forward	JTGXCC	NA/Fwd FRGT DBCR	New
QZRH0DCGV549	Rates	Forward	Debt	JRMXFP	NA/Fwd Dbt 0th EUR	New

The GUI extends the search criteria by adding one of:

- /Header/Level:InstRefDataReporting – for ISINs
- /Header/Level:UPI – for UPI records

2.6 Search through the API (Rest or FIX)

API users that perform search by attributes (either through REST API or FIX API) will receive records that matches their permissions:

- UPI only users (users that can access only UPI records) are expected to receive only UPI records.
- ISIN only users (users that can access only ISIN records) are expected to receive only ISIN records.
- Users that gain access to both ISIN and UPI record may receive in their result some ISIN records and some UPI records. All records will meet the search criteria.

Those users may add to the search criteria:

- /Header/Level:InstRefDataReporting – to limit the result to contain only ISIN records
- /Header/Level:UPI – to limit the result to contain only UPI records

For example, to search for Rate ISIN records user may set the criteria to be:

[Rates && /Header/Level:InstRefDataReporting](#)

And to search for Credit UPI records, user may set the criteria to be:

[Credit && /Header/Level:UPI](#)

3 Frequently Used Searches

This section gives some examples of the most commonly used searches.

To vary the terms of the searches, refer to [Annex Sample Values](#).

The examples below use simple notation, whereby the terms are searched for across all fields of all records.

3.1 Search for all GBP/USD Forward FX ISINs

This search can be conducted in one of two ways as set out below.

GBP && USD && Forward && Foreign_Exchange
GBP AND USD AND Forward AND Foreign_Exchange

3.2 Search for all CDS single name ISINs with a specific LEI

CDS && SN && 549300QJBBKPDV5SFJ19

3.3 Search for all EUR Fixed-Float Interest Rate Swap ISINs

Rates && Swap && Fixed_Float && EUR
Rates && Swap && "Fxd Flt"&& EUR
Rates && Swap && "Fixed - Floating" && EUR
Rates && Swap && "Fixed Floating" && EUR

3.4 Search for all GBP Swaptions

swaption && GBP

3.5 Search commodity derivatives with a specific base product/sub-product

Search for all the commodity derivatives with a Base Product/Sub Product = Gold

Commodities && GOLD

3.6 Search for all EUR IR Swaps

Rates && Swap && EUR

3.7 Search for all instruments with a specific CFI Code

Search for all the instruments with a CFI Code = SRA*

SRA*

3.8 Search for all amortizing swaps

Amortizing && Swap
Amortizing AND Swap

3.9 Search for all zero-coupon USD swaps with a given maturity

Search for all the zero-coupon USD swaps with maturity greater than 2 years

*Zero_Coupon && USD && Swap && /Attributes/ExpiryDate: ["2019-06-08" TO *]

3.10 Search for all equity derivatives with a specific underlying ISIN

Search for all the equity derivatives that have this <ISIN> in its underlying (whether basket or single name)

Equity && EZ1234567890
Equity AND EZ1234567890

3.11 Search for all ISINs with a specific UPI Parent

Search for all the ISIN records having UPI parent QZLTT9DFGQ06

[QZLTT9DFGQ06](#)

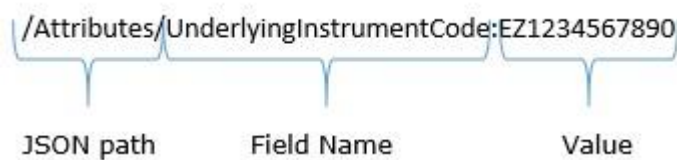
[/ISIN/Parents/UPI:QZLTT9DFGQ06](#)

4 Advanced Search

Advanced search is a powerful tool that enables more technology savvy users to employ a full notation whereby every term refers to the relevant field in the JSON schema. This enables searches to be further narrowed down, to a specific field, which could be useful for getting more focused results.

I.e. A simple search by [EZ1234567890](#) will find all records with this ISIN whether it is in the ISIN of the instrument or in its underlying.

To query for the ISIN above specifically as an underlying, it is required to refer to the field name and its path within the JSON schema, followed by a colon ":" and further followed by the value to be searched:



If no field name is specified, i.e. a search like [EZ1234567890](#), the value will be looked for across all fields.

4.1 Date Searches

The date searches are used to query for a date or for a range of dates between the lower and upper bound specified.

The DSB stores the dates in the format of `/Attributes/ExpiryDate:{"2032-04-02" TO "2040-01-01"}` YYYY-MM-DD. To search for a date, it is necessary to use the YYYY-MM-DD date format, put the date in quotes and specify a prefix as follows: `/Attributes/ExpiryDate:"YYYY-MM-DD"`

`/Attributes/ExpiryDate:["2017-01-01" TO "2018-01-01"]` - will find records that have dates between 2017-01-01 and 2018-01-01, inclusive.

`/Attributes/ExpiryDate:["2017-01-01" TO *]` - will find records that have values greater or equal 201701-01.

`/Attributes/ExpiryDate:{"2017-01-01" TO "2018-01-01"}` - will find records that have values between 2017-01-01 and 2018-01-01, exclusive of the upper and lower bounds.

In October 2020, the DSB will be introducing a search by `LastUpdateDateTime`.

Note that the format of `LastUpdateDateTime` is YYYY-MM-DDThh:mm:ss. If the time component is not specified in a `LastUpdateDateTime` search, it will be defaulted to T00:00:00.

To search for an ISIN created or modified (e.g. expired) on a date, it is necessary to use the following syntax:

`/ISIN/LastUpdateDateTime:["YYYY-MM-DDT00:00:00" TO "YYYY-MM-DDT23:59:59"]`.

E.g. to search for ISINs created on 7 September 2020, search for `/ISIN/LastUpdateDateTime:["2020-0907T00:00:00" TO "2020-09-07T23:59:59"]`.

`/ISIN/LastUpdateDateTime:["2020-09-07" TO *]` - will find ISIN records created or modified (e.g. expired) with the timestamp of 2020-09-07T00:00:00 and thereafter.

`/ISIN/LastUpdateDateTime:["2020-01-01" TO "2020-09-01"]` - will find ISIN records that were created or modified (e.g. expired) between 2020-01-01T00:00:00 and 2020-09-01T00:00:00, inclusive.

`/ISIN/LastUpdateDateTime:["2020-09-01T00:00:00" TO "2020-09-01T00:05:00"]` – will find ISIN records that were created or modified (e.g. expired) between 00:00:00 and 00:05:00 on 2020-09-01, inclusive.

`/ISIN/LastUpdateDateTime:["2020-09-07T09:00:00" TO *]` – will find ISIN records that were created or modified (e.g. expired) with the timestamp of 2020-09-07T09:00:00 and thereafter.

`/ISIN/LastUpdateDateTime:"2020-09-07T09:13:15"` – will find ISIN records that were created or modified (e.g. expired) with the timestamp of 2020-09-07T09:13:15.

`/ISIN/LastUpdateDateTime:{"2020-01-01" TO "2020-09-01"}` - will find ISIN records that were created or modified (e.g. expired) between 2020-01-01T00:00:00 and 2020-09-01T00:00:00, exclusive of the upper and lower bounds.

Similarly, for UPI records:

To search for an UPI created or modified on a date, it is necessary to use the following syntax:

`/Identifier/LastUpdateDateTime:["YYYY-MM-DDT00:00:00" TO "YYYY-MM-DDT23:59:59"]`.

E.g. to search for UPIs created or modified on 7 April 2023, search for

`/Identifier/LastUpdateDateTime:["2023-04-07T00:00:00" TO "2023-04-07T23:59:59"]`.

`/Identifier/LastUpdateDateTime:["2020-09-07" TO *]` - will find UPI records created or modified with the timestamp of 2020-09-07T00:00:00 and thereafter.

`/Identifier/LastUpdateDateTime:["2020-01-01" TO "2020-09-01"]` - will find UPI records that were created or modified between 2020-01-01T00:00:00 and 2020-09-01T00:00:00, inclusive.

`/Identifier/LastUpdateDateTime:["2020-09-01T00:00:00" TO "2020-09-01T00:05:00"]` – will find UPI records that were created or modified between 00:00:00 and 00:05:00 on 2020-09-01, inclusive.

`/Identifier/LastUpdateDateTime:["2020-09-07T09:00:00" TO *]` – will find UPI records that were created or modified with the timestamp of 2020-09-07T09:00:00 and thereafter.

`/Identifier/LastUpdateDateTime:"2020-09-07T09:13:15"` – will find UPI records that were created or modified with the timestamp of 2020-09-07T09:13:15.

`/Identifier/LastUpdateDateTime:{"2020-01-01" TO "2020-09-01"}` - will find UPI records that were created or modified between 2020-01-01T00:00:00 and 2020-09-01T00:00:00, exclusive of the upper and lower bounds.

5 Annex

5.1 Attributes

This section specifies a current list of ISO attributes and their paths in JSON, and provides/ refers to enumerations for the values that can be used in the search. The list of attributes is subject to change. For the latest Product Definitions documentation, refer to the DSB website.

Section	ISO Display Name	Sample Value	JSON Path	Search Criteria (Use JSON Path to search for value in a specific attribute)
Derivatives and Securitised Derivatives related fields	Asset Class	Rates Credit Equity Foreign_Exchange Commodities	/Header/AssetClass	/Header/AssetClass:Rates
	Classification Type	JRIXFP	/Derived/ClassificationType	/Derived/ClassificationType:JFRXFP
	Commodity Derivative Indicator	FALSE	/Derived/CommodityDerivativeIndicator	/Derived/CommodityDerivativeIndicator:FALSE
	Delivery Type	'CASH'-Cash 'PHYS'-Physical 'OPTL'-Elect at Exercise/Elect at Settlement/Auction ISO 10962: 2015. Character #6	/Attributes/DeliveryType	/Attributes/DeliveryType:PHYS
	Expiry date	2032-04-02	/Attributes/ExpiryDate	/Attributes/ExpiryDate:"2032-04-02"
	Full Name	Rates Forward FRA_Index AED-EBOR-Reuters 1DAYS 20320402	/Derived/FullName	/Derived/FullName:"Rates Forward FRA_Index AED-EBOR-Reuters 1 DAYS 20320402"
	Identification	EZ0000000276	/ISIN/ISIN	/ISIN/ISIN:EZ0000000276
	Instrument Type	Swap Forward Option	/Header/InstrumentType	/Header/InstrumentType:Swap
	ISIN Status	New	/ISIN/Status	/ISIN/Status:New
	Last Update Date Time	2020-09-07T09:13:15	/ISIN/LastUpdateDateTime	/ISIN/LastUpdateDateTime:"2020-09-07T09:13:15"

Section	ISO Display Name	Sample Value	JSON Path	Search Criteria (Use JSON Path to search for value in a specific attribute)
	ISO Other Leg Reference Rate	EBOR-Reuters	/Derived/ISOOtherLegReferenceRate	/Derived/ISOOtherLegReferenceRate:"EBOR-Reuters"
	ISO Reference Rate	EBOR-Reuters	/Derived/ISOReferenceRate	/Derived/ISOReferenceRate:"EBOR-Reuters"
	ISO Underlying Instrument Index	DAX	/Attributes/UnderlyingInstrumentIndex	/Attributes/UnderlyingInstrumentIndex:DAX
	Issuer or operator of the trading venue identifier	NA	/Derived/IssuerorOperatoroftheTradingVenueIdentifier	/Derived/IssuerorOperatoroftheTradingVenueIdentifier:NA
	Level	InsRefDataReporting	/Header/Level	/Header/Level:InsRefDataReporting
	Notional Currency	EUR	/Attributes/NotionalCurrency	/Attributes/NotionalCurrency:EUR
	Option exercise style	"AMER"-American "BERM"-Bermudan "EURO"-European	/Attributes/OptionExerciseStyle	/Attributes/OptionExerciseStyle:EURO
	Option type	Call Put	/Attributes/OptionType	/Attributes/OptionType:Call
	Price Multiplier	1	/Attributes/PriceMultiplier	/Attributes/PriceMultiplier:1
	Product	FRA_Index For the full list of products, see https://github.com/ANNA-DSB/Product-Definitions/tree/master/UAT/docs	/Header/UseCase	/Header/UseCase:FRA_Index

Section	ISO Display Name	Sample Value	JSON Path	Search Criteria (Use JSON Path to search for value in a specific attribute)
	Return or Payout Trigger	Contract for Difference ISO 10962: 2015. Character #4 (swaps); Character #5 (forwards)	/Attributes/ReturnorPayoutTrigger	/Attributes/ReturnorPayoutTrigger:"Contract for Difference"
	Short Name	NA/Fwd Pr Int Rt Idx EUR 20170825	/Derived/ShortName	/Derived/ShortName:" NA/Fwd Pr Int Rt Idx EUR 20170825"
	Single or Multi Currency	Single Currency	/Derived/SingleOrMultiCurrency	/Derived/SingleOrMultiCurrency:Single Currency
	Underlying Asset Type	Multi Commodity ISO 10962: 2015. Character #3	/Derived/UnderlyingAssetType	/Derived/UnderlyingAssetType:Multi Commodity
	Underlying Instrument Index	DJTA	/Attributes/UnderlyingInstrumentIndex	/Attributes/UnderlyingInstrumentIndex:"DJTA"
	Underlying Instrument Index Term Unit	DAYS WEEK MNTN YEAR	/Attributes/UnderlyingInstrumentIndexTermUnit	/Attributes/UnderlyingInstrumentIndexTermUnit:"YEAR"
	Underlying Instrument Index Term Value	5	/Attributes/UnderlyingInstrumentIndexTermValue	/Attributes/UnderlyingInstrumentIndexTermValue:5
	Underlying Instrument ISIN	EZ1234567890	/Attributes/UnderlyingInstrumentISIN	/Attributes/UnderlyingInstrumentISIN:EZ1234567890
	Underlying Instrument ISIN 1, 2, etc.	EZ1234567890	/Attributes/UnderlyingInstrumentISIN	/Attributes/UnderlyingInstrumentISIN/_:EZ1234567890
	Underlying Issuer LEI	12345678901234567890	/Attributes/UnderlyingInstrumentLEI	/Attributes/UnderlyingInstrumentLEI:"12345678901234567890"
	Underlying Issuer Type	Corporate	/Derived/UnderlyingIssuerType	/Derived/UnderlyingIssuerType:Corporate

Section	ISO Display Name	Sample Value	JSON Path	Search Criteria (Use JSON Path to search for value in a specific attribute)
		ISO 10962: 2015. Character #5 (Swaps: Credit)		
	Valuation Method or Trigger	Vanilla ISO 10962: 2015. Character #5 (options)	/Attributes/ValuationMethodorTrigger	/Attributes/ValuationMethodorTrigger:Vanilla
Commodities and emission allowances derivatives	Additional Sub Product	GOLD See ISO Commodities Classification for the full list	/Attributes/AdditionalSubProduct	/Attributes/AdditionalSubProduct:GOLD
	Base Product	METL See ISO Commodities Classification for the full list	/Attributes/BaseProduct	/Attributes/BaseProduct:METL
	Final Price Type	'ARGM' - Argus/McCloskey 'BLTC' - Baltic 'EXOF' - Exchange 'GBCL' - GlobalCOAL 'IHSM' - IHS McCloskey 'PLAT' - Platts 'OTHR' - Other	/Attributes/FinalPriceType	/Attributes/FinalPriceType:OTHR
	Sub Product	PRME See ISO Commodities Classification for the full list	/Attributes/SubProduct	/Attributes/SubProduct:PRME
	Transaction Type	OPTN' - Options 'SWAP' - SWAPS 'OTHR' - Other 'FUTR' - Futures 'TAPO' - TAPOS 'MINI' - Minis 'OTCT' - OTC 'ORIT' - Outright 'CRCK' - Crack 'DIFF' - Differential	/Attributes/TransactionType	/Attributes/TransactionType:SWAP
Credit	Debt Seniority	'SNDB'-Senior Debt 'MZZD'-Mezzanine 'SBOD'-Subordinated Debt	/Attributes/DebtSeniority	/Attributes/DebtSeniority:SBOD

Section	ISO Display Name	Sample Value	JSON Path	Search Criteria (Use JSON Path to search for value in a specific attribute)
		'JUND'-Junior Debt		
	Underlying credit index series	25	/Attributes/UnderlyingCreditIndexSeries	/Attributes/UnderlyingCreditIndexSeries:25
	Underlying credit index version	1	/Attributes/UnderlyingCreditIndexVersion	/Attributes/UnderlyingCreditIndexVersion:1
Foreign exchange derivatives	FX Type	Foreign Exchange Cross Rate [FXCR] Foreign Exchange Emerging Market [FXEM] Foreign Exchange Major [FXMJ]	/Derived/FXType	/Derived/FXType:FXEM
	Settlement Currency	GBP	/Attributes/SettlementCurrency	/Attributes/SettlementCurrency:GBP
Interest rate derivatives	Notional Schedule	Constant Accreting Amortizing Custom ISO 10962: 2015. Character #4 (Swaps: Rates)	/Attributes/NotionalSchedule	/Attributes/NotionalSchedule:Constant
	Other Leg Reference Rate	AUD-CPI	/Attributes/OtherLegReferenceRate	/Attributes/OtherLegReferenceRate:"AUD-CPI"
	Other Leg Reference Rate Term Unit	DAYS WEEK MNTN YEAR	/Attributes/OtherLegReferenceRateTermUnit	/Attributes/OtherLegReferenceRateTermUnit:"WEEK"
	Other Leg Reference Rate Term Value	1	/Attributes/OtherLegReferenceRateTermValue	/Attributes/OtherLegReferenceRateTermValue:1

Section	ISO Display Name	Sample Value	JSON Path	Search Criteria (Use JSON Path to search for value in a specific attribute)
	Other Notional Currency	USD	/Attributes/OtherNotionalCurrency	/Attributes/OtherNotionalCurrency:USD
	Reference Rate	AED-EBOR-Reuters	/Attributes/ReferenceRate	/Attributes/ReferenceRate:"AED-EBOR-Reuters"
	Reference Rate Term	1	/Attributes/ReferenceRateTermValue	/Attributes/ReferenceRateTermValue:1
	Reference Rate Term Unit	DAYS WEEK MNTN YEAR	/Attributes/ReferenceRateTermUnit	/Attributes/ReferenceRateTermUnit:"DAYS"

5.2 ISO Commodities Classification

This section specifies ISO Commodity classification to be used in commodity searches.

Base Product		Sub Product		Additional Sub Products	
Agricultural	AGRI	Dairy	DIRY		
Agricultural	AGRI	Forestry	FRST		
Agricultural	AGRI	Grain	GRIN	MillingWheat	MWHT
Agricultural	AGRI	GrainOilSeeds	GROS	FeedWheat	FWHT
Agricultural	AGRI	GrainOilSeeds	GROS	Maize	CORN
Agricultural	AGRI	GrainOilSeeds	GROS	Other	OTHR
Agricultural	AGRI	GrainOilSeeds	GROS	Rapeseed	RPSD
Agricultural	AGRI	GrainOilSeeds	GROS	Rice	RICE
Agricultural	AGRI	GrainOilSeeds	GROS	Soybeans	SOYB
Agricultural	AGRI	Livestock	LSTK		
Agricultural	AGRI	OliveOil	OOLI	Lampante	LAMP
Agricultural	AGRI	Potato	POTA		
Agricultural	AGRI	Seafood	SEAF		
Agricultural	AGRI	Softs	SOFT	Cocoa	CCOA
Agricultural	AGRI	Softs	SOFT	Other	OTHR
Agricultural	AGRI	Softs	SOFT	RawSugar	BRWN
Agricultural	AGRI	Softs	SOFT	RobustaCoffee	ROBU
Agricultural	AGRI	Softs	SOFT	WhiteSugar	WHSG
Energy	NRGY	Coal	COAL		
Energy	NRGY	Distillates	DIST		
Energy	NRGY	Electricity	ELEC	BaseLoad	BSLD
Energy	NRGY	Electricity	ELEC	FinancialTransmissionRights	FITR
Energy	NRGY	Electricity	ELEC	OffPeak	OFFP
Energy	NRGY	Electricity	ELEC	Other	OTHR
Energy	NRGY	Electricity	ELEC	PeakLoad	PKLD
Energy	NRGY	InterEnergy	INRG		
Energy	NRGY	LightEnds	LGHT		

Base Product		Sub Product		Additional Sub Products	
Energy	NRGY	NaturalGas	NGAS	GasPool	GASP
Energy	NRGY	NaturalGas	NGAS	LNG	LNGG
Energy	NRGY	NaturalGas	NGAS	NBP	NBPG
Energy	NRGY	NaturalGas	NGAS	NCG	NCGG
Energy	NRGY	NaturalGas	NGAS	TTF	TTFG
Energy	NRGY	Oil	OILP	Bakken	BAKK
Energy	NRGY	Oil	OILP	Biodiesel	BDSL
Energy	NRGY	Oil	OILP	Brent	BRNT
Energy	NRGY	Oil	OILP	BrentNX	BRNX
Energy	NRGY	Oil	OILP	Canadian	CNDA
Energy	NRGY	Oil	OILP	Condensate	COND
Energy	NRGY	Oil	OILP	Diesel	DSEL
Energy	NRGY	Oil	OILP	Dubai	DUBA
Energy	NRGY	Oil	OILP	ESPO	ESPO
Energy	NRGY	Oil	OILP	Ethanol	ETHA
Energy	NRGY	Oil	OILP	Fuel	FUEL
Energy	NRGY	Oil	OILP	FuelOil	FOIL
Energy	NRGY	Oil	OILP	Gasoil	GOIL
Energy	NRGY	Oil	OILP	Gasoline	GSLN
Energy	NRGY	Oil	OILP	HeatingOil	HEAT
Energy	NRGY	Oil	OILP	JetFuel	JTFL
Energy	NRGY	Oil	OILP	Kerosene	KERO
Energy	NRGY	Oil	OILP	LightLouisianaSweet	LLSO
Energy	NRGY	Oil	OILP	Mars	MARS
Energy	NRGY	Oil	OILP	Naphta	NAPH
Energy	NRGY	Oil	OILP	NGL	NGLO
Energy	NRGY	Oil	OILP	Tapis	TAPI
Energy	NRGY	Oil	OILP	Urals	URAL
Energy	NRGY	Oil	OILP	WTI	WTIO

Base Product		Sub Product		Additional Sub Products	
Energy	NRGY	RenewableEnergy	RNNG		
Environmental	ENVR	CarbonRelated	CRBR		
Environmental	ENVR	Emission	EMIS	CER	CERE
Environmental	ENVR	Emission	EMIS	ERU	ERUE
Environmental	ENVR	Emission	EMIS	EUA	EUAE
Environmental	ENVR	Emission	EMIS	EUAA	EUAA
Environmental	ENVR	Emission	EMIS	Other	OTHR
Environmental	ENVR	Weather	WTHR		
Fertilizer	FRTL	Ammonia	AMMO		
Fertilizer	FRTL	DiammoniumPhosphate	DAPH		
Fertilizer	FRTL	Potash	PTSH		
Fertilizer	FRTL	Sulphur	SLPH		
Fertilizer	FRTL	Urea	UREA		
Fertilizer	FRTL	UreaAndAmmoniumNitrite	UAAN		
Freight	FRGT	ContainerShip	CSHP		
Freight	FRGT	Dry	DRYF	DryBulkCarrier	DBCR
Freight	FRGT	Wet	WETF	Tanker	TNKR
IndustrialProduct	INDP	Construction	CSTR		
IndustrialProduct	INDP	Manufacturing	MFTG		
Inflation	INFL				
Metal	METL	NonPrecious	NPRM	Aluminium	ALUM
Metal	METL	NonPrecious	NPRM	AluminiumAlloy	ALUA
Metal	METL	NonPrecious	NPRM	Cobalt	CBLT
Metal	METL	NonPrecious	NPRM	Copper	COPR
Metal	METL	NonPrecious	NPRM	IronOre	IRON
Metal	METL	NonPrecious	NPRM	Lead	LEAD
Metal	METL	NonPrecious	NPRM	Molybdenum	MOLY
Metal	METL	NonPrecious	NPRM	NASAAC	NASC
Metal	METL	NonPrecious	NPRM	Nickel	NICK

Base Product		Sub Product		Additional Sub Products	
Metal	METL	NonPrecious	NPRM	Other	OTHR
Metal	METL	NonPrecious	NPRM	Steel	STEL
Metal	METL	NonPrecious	NPRM	Tin	TINN
Metal	METL	NonPrecious	NPRM	Zinc	ZINC
Metal	METL	Precious	PRME	Gold	GOLD
Metal	METL	Precious	PRME	Other	OTHR
Metal	METL	Precious	PRME	Palladium	PLDM
Metal	METL	Precious	PRME	Platinum	PTNM
Metal	METL	Precious	PRME	Silver	SLVR
MultiCommodityExotic	MCEX				
OfficialEconomicStatistics	OEST				
Other	OTHR				
OtherC10	OTHC	Deliverable	DLVR		
OtherC10	OTHC	NonDeliverable	NDLV		
Paper	PAPR	Containerboard	CBRD		
Paper	PAPR	Newsprint	NSPT		
Paper	PAPR	Pulp	PULP		
Paper	PAPR	RecoveredPaper	RCVP		
Polypropylene	POLY	Plastic	PLST		