DERIVATIVES SERVICE BUREAU (DSB) LTD

Equity : Forward : Price_Return_Basic_Performance_Single_Index

ISIN Product Definition

Version 1

Date	Status	Version	Revision Details
26 Sep 2023	Draft	1	Initial Version

Contents

1. Introduction

This document is designed to act as a manual for users to interpret the Product Definitions in the DSB OTC ISIN Service.

This document provides the user with a detailed description of the ISIN Product Definition content such as attribute enumerations, validation, normalization, and derivation where applicable.

1.1 Associated Documentation

The reference documents below contain values and information maintained by the DSB for consistency and ease of access.

These documents are made available on the ANNA DSB website (Product Definitions page):

Title	Description	Location
Enumerations Document	Lists all fixed values used for a product	Enumerations section
Product Definition Data Dictionary	Defines attributes in the Request and Record templates; and from which they are referenced on	Other Documents section
Product Definition Validations and Normalizations Document	Specifies details on validation and normalization rules	
Best Practice Guidelines and FAQs	Lists answers to queries raised by users and provides guidance on the use of the templates	
GitHub Environment Section	ANNA DSB Github Environment where the JSON templates for each product is found	

2. Product Taxonomy

2.1 CFI Taxonomy

Source: ISO 10962 (CFI Code) – Third edition 2015-07-15

Attr #	Title	Values	Name	Description
	Instrument (Category)	**J**	Forward	
	Asset Class (Group)	**E**	Equity	
Attr #1	**Underlying Assets**	**I**	Index	Instruments that make up the index
Attr #2	**Not applicable/ undefined**	**X**	Not applicable/ undefined	Not applicable/undefined
Attr #3	**Return or payout trigger**	**S**	Spread-bet	The payout is determined by the movement in the reference price of the underlying instrument to its price at expiry (or the price when the holder wishes to close out) multiplied by an agreed amount per point movement]
		F	Forward Price of Underlying Instrument	Forward price of underlying instrument
Attr #4	**Delivery Type**	**C**	Cash	The contract will settle as cash on the performance of the contract at maturity
		P	Physical	Physical

2.2 ISDA Taxonomy

The table below is based on the products identified as part of the ISDA 2.0 taxonomy.

Asset Class	Base Product	Sub-Product	Transaction Type	DSB Product Definition Name
Equity	Forward	Price Return Basic Performance	Single Index	Price_Return_Basic_Performance_Single_Index

3. Request Template

The Request Template describes the input message received by the OTC ISIN service.

Users can find the detailed description of this template in the Equity spreadsheet that contains the layout of all templates. This can be found in the Equity section of the Product Definitions page on the ANNA DSB website.

Change details of the template can be found on the appropriate Github page.

Template name	Template details	Release
Request.Equity.Forward.Price_Return_Basic_Performance_Single_Index.InstRefDataReporting.json	Initial version	Initial

3.1 Validation Rules

- For non-specific product validation rules, please refer to ISIN Product Definition Validations and Normalizations Document (See Section 1.1).
- For enumerations, please refer to the associated ISIN Product Definition Enumeration document for the impacted attributes (See Section 1.1).

4. Record Template

The Record Template describes the record returned by the OTC ISIN service.

Users can find the detailed description of this template in the Equity spreadsheet that contains the layout of all templates. This can be found in the Equity section of the Product Definitions page on the ANNA DSB website.

Change details of the template can be found on the appropriate Github page.

Version	Template name	Template details
V1	**Equity.Forward.Price_Return_Basic_Performance_Single_Index.InstRefDataReporting.V1.json**	Initial version
V1M1	**Equity.Forward.Price_Return_Basic_Performance_Single_Index.InstRefDataReporting.V1M1.json**	Added Parent UPI

4.1 Normalization Rules

For non-specific product normalization rules, please refer to the Product Definition Validations and Normalizations (See Section 1.1).

4.2 Derivation Rules

This section describes the derivations of product attributes highlighted in the Record Template.

4.2.1 Full Name

Attribute	Full Name		
Structure	Asset Class + Instrument Type + Product + Underlying Instruments + Notional Currency + Expiry Date		
Example	Equity Forward Price_Return_Basic_Performance_Single_Index GB0001383545 EUR 20230711		
Source	RTS23/Field2 - Instrument Full Name		
Source Attribute	**Source Value**	**Derivation Method**	**Result**
Asset Class	Equity	Fixed Value	Equity
Instrument Type	Forward	Fixed Abbreviation	Forward
Product	Price_Return_Basic_Performance_Single_Index	Fixed Abbreviation	Price_Return_Basic_Performance_Single_Index

Underlying Instruments	Underlying Instrument ISIN	e.g., GB0001383545	Extracted value =>	e.g., GB0001383545
	ISO Underlying Instrument Index	e.g., MSCI EM USD	Extracted value =>	e.g., MSCI EM
		e.g., 34810-JPCFNAMR	Extracted value =>	e.g., JPCFNAMR
Notional Currency	Notional Currency		Mapped Enumeration	e.g., USD, EUR, GBP
Expiry Date	Expiry Date		Date Format (YYYYMMDD)	20230711

4.2.2 Classification Type

Attribute	Classification Type		
Structure	Instrument Type + Asset Class + Underlying Asset Type + X + Return or Payout Trigger + Delivery Type		
Example	JEIXFP		
Source	ISO 10962 (CFI) – Third edition 2015-07-15		
Source Attribute	**Source Value**	**Derivation Method**	**Result**
Instrument Type	Forward	Fixed Mapping	J
Asset Class	Equity	Fixed Mapping	E
Underlying Asset Type	Index	Fixed Mapping	I
Not applicable/undefined	Not applicable/undefined	Fixed Mapping	X
Return or Payout Trigger	Forward price of underlying instrument	Mapped to =>	F
	Spreadbets	Mapped to =>	S
Delivery Type	CASH	Mapped to =>	C
	PHYS	Mapped to =>	P

4.2.3 Short Name

Attribute	Short Name		
Structure	"NA" + "/" + Instrument Type + Underlying Asset Type + Return or Payout Trigger + Notional Currency + Expiry Date		
Example	NA/Fwd Idx Fwd Pr EUR 20230711		
Source	[ISO 18774](ISO 18774) (Financial Instrument Short Name) - First edition 2015-11		
Source Attribute	**Source Value**	**Derivation Method**	**Result**
Issuer Name	None	Fixed Value	NA/
Instrument Type	Forward	Fixed Abbreviation	Fwd
Underlying Asset Type	Index	Fixed Abbreviation	Idx
Return or Payout Trigger	Forward price of underlying instrument	Mapped to =>	Fwd Pr
	Spreadbets	Mapped to =>	Spread
Notional Currency	Notional Currency	Mapped Enumeration	e.g., USD, EUR, GBP
Expiry Date	Expiry Date	Date Format (YYYYMMDD)	20230711

4.2.4 ISO Underlying Instrument Index

Attribute	ISO Underlying Instrument Index		
Source Attribute	**Source Value**	**Derivation Method**	**Result**
Underlying Instrument Index	e.g., MSCI EM USD	Extracted value =>	e.g., MSCI EM
Underlying Instrument Index Prop	e.g., 34810-JPCFNAMR	Extracted value =>	e.g., JPCFNAMR

5. Supplementary Information

5.1 Best Practice Guidelines

Please refer to Best Practice Guidelines and FAQs (See Section 1.1).

5.2 Additional Comments

No Additional Comment is provided for this product.

6. Appendix I - OTC ISIN-UPI Mapping

This section describes the mapping between the ISIN and UPI input attributes.

One Of	ISIN Input Attributes	Mapping Logic	UPI Input Attributes	Example UPI Value	Comments
	Asset Class	Direct Map	Asset Class	Equity	
	Instrument Type	Direct Map	Instrument Type	Forward	
	Use Case	Direct Map	Product	Price_Return_Basic_Performance_Single_Index	
	Level	Set to "UPI"	Level	UPI	
	Notional Currency	No Mapping			
	Expiry Date	No Mapping			
A	Underlying Instrument ISIN	Set to "Equity Index Identifier"	Underlier Type	Equity Index Identifier	"One Of" Underlier Type
		Map to	Underlier ID	GB0001383545	
		Set to "ISIN"	Underlier ID Source	ISIN	
B	Underlying Instrument Index	Set to "Equity Index Name"	Underlier Type	Equity Index Name	"One Of" Underlier Type
		Map to	Underlier ID	MSCI EM USD	
		Set to "EQIDX"	Underlier ID Source	EQIDX	
C	Underlying Instrument Index Prop	Set to "Proprietary Index"	Underlier Type	Proprietary Index	"One Of" Underlier Type
		Map to	Underlier ID	34810-JPCFNAMR	
		Set to "PROP"	Underlier ID Source	PROP	
	Price Multiplier	No Mapping			
	Return or Payout Trigger	Direct Map	Return or Payout Trigger	Forward price of underlying instrument	
	Delivery Type	Direct Map	Delivery Type	PHYS	