



## Derivatives Service Bureau

# Equity : Swap : Parameter\_Return\_Dividend\_Basket

## UPI Product Definition

Version 1

Date	Status	Version	Revision Details
17 Aug 2022	Draft	1	Initial Version

## TABLE OF CONTENTS

1	Introduction .....	3
2	Product Taxonomy .....	4
2.1	CFI Taxonomy .....	4
2.2	ISDA Taxonomy .....	4
3	Request Template .....	5
3.1	Underlier Input Method .....	5
4	Record Template .....	6
4.1	Normalization Rules .....	7
4.2	Derivation Rules .....	7
4.2.1	Classification Type .....	7
4.2.2	Short Name .....	8
4.2.3	CFI Delivery Type .....	8
5	Supplementary Information .....	9
5.1	Best Practice Guidelines .....	9
5.2	Additional Comments .....	9
6	Appendix 1 – ISO 4914 Equivalence .....	10
7	Appendix 2 - OTC ISIN-UPI Mapping .....	11

# 1 INTRODUCTION

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

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

External Reference Documents can be found [here](#).

## 2 PRODUCT TAXONOMY

### 2.1 CFI Taxonomy

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

Attr #	Title	Values	Name	Description
	<b>Instrument (Category)</b>	<b>S</b>	Swap	
	<b>Asset Class (Group)</b>	<b>E</b>	Equity	
<b>Attr #1</b>	<b>Underlying Assets</b>	<b>B</b>	Basket	A bespoke, synthetic portfolio of underlying assets whose components have been agreed for a specific over-the-counter (OTC) derivative by the parties to the transaction
<b>Attr #2</b>	<b>Return or payout trigger</b>	<b>D</b>	Dividend	A fixed-term contract between two parties where one party will make an interest rate payment for each interval and the other party will pay the total dividends received as pay-out by a selected underlying asset
<b>Attr #3</b>	<b>Not applicable/undefined</b>	<b>X</b>	Not applicable/undefined	Not applicable/undefined
<b>Attr #4</b>	<b>Delivery Type</b>	<b>C</b>	Cash	Cash
		<b>P</b>	Physical	Physical
		<b>E</b>	Elect at Settlement	Elect at Settlement

### 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	Swap	Parameter Return Dividend	Basket	Parameter_Return_Dividend_Basket

### 3 REQUEST TEMPLATE

This section describes the input message received by UPI service.

Template name	Template details	Release	Github
<b>Request.Equity.Swap.Parameter_Return_Dividend_Basket.UPI.json</b>	Initial version	<a href="#">Link</a>	<a href="#">Link</a>

Section	Attribute	Format	Cat	Example Value	Validation	Link
<b>Header Section</b>	Asset Class	Set	M	Equity		
	Instrument Type	Set	M	Swap		
	Product	Set	M	Parameter_Return_Dividend_Basket		
	Level	Set	M	UPI		
<b>Attribute Section</b>	Delivery Type	Enum	M	CASH	[CASH, PHYS, OPTL]	

UPI Attribute Validation document can be accessed [here](#).

#### 3.1 Underlier Input Method

This product is assumed to be a "Basket" in all cases, hence in accordance with ISO 4914 (UPI), there is no need to define individual constituents within this template (*see Appendix 1 - ISO 4914 Equivalence*) and so Underlier Input Method does not apply for this product.

## 4 RECORD TEMPLATE

This section describes the record returned by the UPI service.

Version	Template name	Template details	Release	Github
V.1	Equity.Swap.Parameter_Return_Dividend_Basket.UPI.V1.json	Initial version	<a href="#">Link</a>	<a href="#">Link</a>

Section	Attribute	Format	Cat	Example Value	Derivation
<b>Header Section</b>	Asset Class	Set	M	Equity	
	Instrument Type	Set	M	Swap	
	Product	Set	M	Parameter_Return_Dividend_Basket	
	Level	Set	M	UPI	
	Template Version	Integer	D	1	
<b>Attribute Section</b>	Delivery Type	Enum	M	CASH	[CASH, PHYS, OPTL]
<b>Identifier Section</b>	Identifier	String	D	QZGLK8L48TD5	
	Status	String	D	New	[New; Updated; Deleted]
	Status Reason	String	D	<null>	
	Last Update Date Time	DtTm	D	2021-02-23T00:00:13	YYYY-MM-DDThh:mm:ss
<b>Derived Section</b>	Classification Type	String	D	SEBDCX	See Derivation Rules
	Short Name	String	D	NA/Swaps Bskt Div	See Derivation Rules
	Underlying Asset type	String	D	Basket	Fixed value
	Return or Payout Trigger	String	D	Dividend	Fixed value
	CFI Delivery Type	String	D	[Cash, Physical, Elect at Settlement]	See Derivation Rules

## 4.1 Normalization Rules

Normalization rules are not applicable for this product.

## 4.2 Derivation Rules

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

### 4.2.1 Classification Type

Attribute		Classification Type	
<b>Structure</b>	Instrument Type + Asset Class + Underlying Asset Type + Return or Payout Trigger + NA + Delivery Type		
<b>Example</b>	SEBDXC		
<b>Source</b>	<a href="#">ISO 10962</a> (CFI) – Third edition 2015-07-15		
Source Attribute	Source Value	Derivation Method	Result
<b>Instrument Type</b>	Swap	Fixed Mapping	S
<b>Asset Class</b>	Equity	Fixed Mapping	E
<b>Underlying Asset Type</b>	Basket	Fixed Mapping	B
<b>Return or Payout Trigger</b>	Dividend	Fixed Mapping	D
<b>Not applicable/undefined</b>	Not applicable/undefined	Fixed Mapping	X
<b>Delivery Type</b>	CASH	Mapped to =>	C
	PHYS	Mapped to =>	P
	OPTL	Mapped to =>	E

## 4.2.2 Short Name

Attribute	Short Name		
Structure	"NA" + "/" + Instrument Type + Underlying Asset Type + Return or Payout Trigger		
Example	NA/ Swaps Bskt Div		
Source	<a href="#">ISO 18774</a> (Financial Instrument Short Name) - First edition 2015-11		
Source Attribute	Source Value	Derivation Method	Result
Issuer Name	None	Fixed Value	NA/
Instrument Type	Swap	Fixed Abbreviation	Swaps
Underlying Asset Type	Basket	Fixed Abbreviation	Bskt
Return or Payout Trigger	Dividend	Fixed Abbreviation	Div

## 4.2.3 CFI Delivery Type

Attribute	CFI Delivery Type		
Source Attribute	Source Value	Derivation Method	Result
CFI Delivery Type	CASH	Mapped to =>	Cash
	PHYS	Mapped to =>	Physical
	OPTL	Mapped to =>	Elect at Settlement



## 5 SUPPLEMENTARY INFORMATION

### 5.1 Best Practice Guidelines

No Best Practice Guideline is provided for this product.

### 5.2 Additional Comments

- The short name abbreviation for Instrument Type within the Equity and Foreign\_Exchange Asset Classes is “Swaps” whereas Rates and Commodities Asset Classes uses “Swap”.

## 6 APPENDIX 1 – ISO 4914 EQUIVALENCE

This section describes the attributes as per the ISO 4914 Unique Product Identifier (UPI).

ISO 4914 Reference Data Elements		Request Attribute	Record Attribute
<b>Asset Class</b>	M	Asset Class	Asset Class
<b>Instrument Type</b>	M	Instrument Type	Instrument Type
<b>Delivery Type</b>	M	Delivery Type	Delivery Type
			CFI Delivery Type
<b>Return, pricing method or payout trigger</b>	M	Not Required	Return or Payout Trigger
<b>Underlier ID*</b>	C	Not Required	
<b>Underlier ID source*</b>	C	Not Required	
<b>Underlier type</b>	M	Not Required	Underlying Asset Type

*\*Underlier ID/source are not required for a custom basket defined in the ISO 4914 (UPI) specification.*

## 7 APPENDIX 2 - OTC ISIN-UPI MAPPING

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

ISIN Input Attributes	Mapping Logic	UPI Input Attributes	Sample UPI Value	Comments
Asset Class	Direct Map	Asset Class	Equity	
Instrument Type	Direct Map	Instrument Type	Swap	
Use Case	Direct Map	Product	Parameter_Return_Dividend_Basket	
Level	Set to "UPI"	Level	UPI	
Notional Currency	No Mapping			
Expiry Date	No Mapping			
Underlying Instrument ISIN	No Mapping			
Underlying Instrument Index	No Mapping			
Underlying Instrument Index Prop	No Mapping			
Price Multiplier	No Mapping			
Delivery Type	Direct Map	Delivery Type	CASH	