Derivatives Service Bureau (UPI)

CHANGE REQUEST FORM

Version	State	Author	Date	Description
1	Draft	J. Lim	08 Apr 2021	Initial Document
2	Draft	J. Lim	21 Jul 2021	Updated attribute data dictionary and reference

Title	FOREIGN EXCHANGE FORWARD Vol Var Template Definition						
Background	The following CRF presents a specification for the generation and retrieval of a Unique Product Identifier for the following product:	DSB-ID	UPI-0152				
		Туре	New Template				
	Foreign_Exchange : Forward : Vol_Var	Owner	J.Lim				
		Version	2				
		State	Draft				
Terms of Referen	ce						
Scope	 This CRF specifies the product definition required for the generation / retrieval This CRF covers both the input (Request) and output (Record) templates. Support for local jurisdiction / alternate underlier identifier input is currently of Support for CFI 2019 values is currently out of scope. 						
Requirements	 The product definition will conform to ISO 4914 (UPI). Where possible, the product definition is to be based on the attributes, values and behaviour of the equivalent OTC ISIN. The product definition will return a product short name (FISN). The product definition will support the entry of and/or access to all CFI attributes and names for the product. 						
Dependencies	 This specification is dependent on final sign-off of the ISO 4914 (UPI) specifica This specification is dependent on PC approval for the use of the OTC ISIN defi This specification is dependent on PC approval for the inclusion of ISO 4914 (U This specification is dependent on TAC Approval for the DSB approach to ISO 3 This specification is dependent on the provision of a human-readable alias for in the Short Name (FISN) and a human-readable alias for the Contract Specific The format of the Short Name is dependent upon the outcome of the ISO 187 	nitions as a ba JPI) conditiona L0962 (CFI:201 the primary u ation.	l attributes. 9) migration. nderlier for inclusion				
Assumptions	 This specification assumes that, unless stated, all values and behaviours are by ISIN product definition. This specification assumes that no input values are to be defaulted by the syst This specification is based on the current ISO 4914 (UPI) specification (CD) – in currently supported by the equivalent OTC ISIN. This specification is based on the DSB's current equivalent OTC ISIN product down that the specification is based on the attributes and values defined in ISO 10962 (Color of the Information of the eventually agreed FISN format for the UPI. This specification and defined using the same attributes (where available) as the OTC ISIN Short Name. Where possible, this specification derives GUI details from the ISO 4914 (UPI) not included in the current OTC ISIN product definition. The display information in the GUI for the existing attributes (and values) are information contains an "ISIN" in the description, replace the value into "UPI". The specification for UPI does not include expiry date as part of the attributes apply. 	eem. efinition. CFI:2015). t for this attributes ssumes that the ne. specification for	outes that are not oute that may not be Short Name is or attributes that are				

Request Template Layout

Section	Attribute	Format	Cat	Example Value	Validation / Derivation	Enum Source	ORIGIN
	Asset Class	Set	М	Foreign_Exchange		CFI:2015 Char#2	ISIN
Header	Instrument Type	Set	М	Forward		CFI 2015 Char#1	ISIN
Section	Product	Set	М	Vol_Var			ISIN
	Level	Set	М	UPI			NEW
	Underlier ID	Enum	М	JPY	ISOCurrencyCode.json	ISO 4217 (3-Char CCY)	NEW
	Underlier ID Source	String	М	CCY	[CCY]	internal	NEW
Attribute	Other Underlier ID	Enum	М	EUR	ISOCurrencyCode.json	ISO 4217 (3-Char CCY)	NEW
Section	Other Underlier ID Source	String	М	ССҮ	[CCY]	internal	NEW
	Settlement Currency	Enum	М	EUR	ISOCurrencyCode.json	ISO 4217 (3-Char CCY)	ISIN
	Delivery Type	Enum	D	CASH	[CASH; PHYS]	ISO 20022	ISIN

Record Template Layout

Section	Attribute	Format	Cat	Example Value	Validation / Derivation	Enum Source	ORIGIN
Header Section	Asset Class	Set	М	Foreign_Exchange		CFI:2015 Char#2	ISIN
	Instrument Type	Set	М	Forward		CFI 2015 Char#1	ISIN
	Product	Set	М	Vol_Var			ISIN
Section	Level	Set	М	UPI			NEW
	Template Version	Integer	D	1			ISIN
	Notional Currency	Enum	М	EUR	ISOCurrencyCode.json	ISO 4217 (3-Char CCY)	ISIN
Attribute	Other Notional Currency	Enum	М	JPY	ISOCurrencyCode.json	ISO 4217 (3-Char CCY)	ISIN
Section	Settlement Currency	Enum	М	EUR	ISOCurrencyCode.json	ISO 4217 (3-Char CCY)	ISIN
	Delivery Type	Enum	D	CASH	[CASH; PHYS]	ISO 20022	ISIN
Identifier Section	UPI	String	D	QZGP127R9DG9	See UPI Document (UPI Code structure and Annex C)	ISO 4914	NEW
	Status	String	D	New			ISIN
	Status Reason	String	D	<null></null>	Not applicable to a New record		ISIN
	Last Update Date Time	DdTm	D	2021-02-23T00:00:13	YYYY-MM-DDThh:mm:ss		ISIN
	Classification Type	String	D	JFRXFC	See CRF (Derivations)	ISO 10962:2015	ISIN
Derived	Short Name	String	D	NA/Fwd VolVar EUR JPY	See CRF (Derivations)	ISO 18774: 2015	NEW
Section	Underlying Asset Type	String	D	Forward	Fixed value	CFI:2015 Char#3 (JFR***)	ISIN
Section	Return or Payout Trigger	String	D	Forward price of underlying instrument	Fixed value	CFI:2015 Char#5 (JF**F*)	ISIN
	CFI Delivery Type	String	D	Cash	See CRF (Derivations)	CFI:2015 Char#6 (JF****)	NEW

Product Definition									
Attributes	See Template Layout (above	See Template Layout (above).							
Validation	If the following attribut	 Notional Currency and Other Notional Currency cannot be identical. If the following attributes have the same currency, an error message will apply "Error: Notional Currency and Other Notional Currency cannot be identical". 							
Attribute Data	This section provides the exact reference or source of the attribute.								
Dictionary	Full Name	Source	Туре						
	Delivery Type	ISO 20022 FinancialInstrumentReportingReferenceDataReportV 01	Enums [CASH; PHYS]						
	CFI Delivery Type	ISO 10962 Classification of financial instruments (CFI code)	Enums [Cash; Physical]						
	Notional Currency	ICO 4217 Currency Codes	Pattern: [A-Z]{3,3}						
	Other Notional Currency	ISO 4217 Currency Codes							
	Settlement Currency								
	*The Delivery Type for Foreign Exchange Forward is based on the current DSB OTC ISIN and only supports CASH (Cash) and PHYS (Physical). Therefore, Non-deliverable value is not supported even if it is included in the ISO 10962 (CFI 2015).								
Normalization	 Notional Currency and Other Notional Currency The input notional and other notional currency submitted by users need to normalize to ensure that so is returned for a same set of attributes. Order the "Notional currency" and "Other Notional Currency" alphabetically. 								

	• If	the "Notional Curre	ency" is first alphabet	tically. the	en record it as "Notional Curre	ency".				
	 If the "Notional Currency" is first alphabetically, then record it as "Notional Currency". If the "Notional Currency" is not first alphabetically, then record the fields as below: Notional Currency → Other Notional Currency 									
	Notional Currency → Other Notional Currency Other Notional Currency → Notional Currency									
Derivation	This section provides additional details to the derivation logic specified in the Template Layout sections (above).									
	Classificati on Type	 Instrum Asset CI Underly Not app Return Delivery C 	ring Asset Type: blicable/undefined: or Payout Trigger:	"J" "F" "X" "F"	'J" F" R" X" 'F" rom Request.DeliverγType					
	Short Name	 Issuer N Instrum Product Notiona Other N E.g.: "NA/Fwd Vol Note: The Short N 	nent Type: "Fwd" (fixed value) t: "VolVar" al Currency: "EUR" (from output value) Notional Currency: "JPY" (from output value)			elds:				
GUI Details		ng section provides ISIN definition.	display information f	or any at	tributes (and values) that are	not included in the				
	Attribute	Display Name	Tool Tip (and • value elaboration)							
	Underlier ID	Underlier ID	An identifier that can be used to determine the asset(s), index (indices) or benchmark underlying a contract or, in the case of a foreign exchange derivative, identification of the currency pair or index							
	Underlier ID Source	Underlier ID Source	The origin, or publisher, of the associated underlier ID.							
	Other Underlier ID	Other Underlier ID	An identifier that can be used to determine the asset(s), index (indices) or benchmark underlying a contract or, in the case of a foreign exchange derivative, identification of the currency pair or index							
	Other Underlier ID Source	Other Underlier ID Source	The origin, or publisher, of the associated underlier ID.							
	UPI	Identification	Unique Product Identifier (ISO 4914).							
	CFI Delivery Type	CFI Delivery Type	The Delivery Type as o • As defined by CFI Co							
Additional Information										
Reference	References to external documents can be found on the DSB website at this address [https://www.anna-dsb.com/upi-external-reference-documents/].									
Comments	Text values in the Short Name are taken from "ISO Abbrev w acronyms-Final_v0.5.5.FINAL."									
ISO 4914 Equivalence	ISO 491	4			Request Attribute	Record Attribute				
	Asset Cl	ass		М	Asset Class	Asset Class				
	Instrum	ent Type		М	Instrument Type	Instrument Type				

			Delivery Type
Delivery Type	M	Delivery Type	CFI Delivery Type
Return, pricing method or payout trigger	М	Not Required	Return or Payout Trigger
Settlement currency	М	Settlement Currency	Settlement Currency
	С	Underlier ID	Notional Currency
Underlier ID	С	Other Underlier ID	Other Notional Currency
	С	Underlier ID source	Not Required
Underlier ID source	С	Other Underlier ID source	Not Required
Underlier Type	М	Not Required	Underlying Asset Type
Underlying contract tenor period *	С	Not Red	quired
Underlying contract tenor period multiplier *	С	Not Red	quired

^{*}Underlying Contract Tenor Period / Multiplier applies only to a derivative contract underlying another derivative. For this product, the underlying is a currency pair and so these attributes are not required.