Derivatives Service Bureau (UPI)

CHANGE REQUEST FORM

Version	State	Author	Date	Description		
1	Draft	J. Lim	07 Apr 2021	Initial Document		
2	Draft	J. Lim	21 Jul 2021	Updated attribute data dictionary and reference		

Title	FOREIGN EXCHANGE FORWARD NDF 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-0150				
		Туре	New Template				
	Foreign_Exchange : Forward : NDF	Owner	J.Lim				
		Version	2				
		State	Draft				
Terms of Referen	се						
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) specification. This specification is dependent on PC approval for the use of the OTC ISIN definitions as a basis for the UPI. This specification is dependent on PC approval for the inclusion of ISO 4914 (UPI) conditional attributes. This specification is dependent on TAC Approval for the DSB approach to ISO 10962 (CFI:2019) migration. This specification is dependent on the provision of a human-readable alias for the primary underlier for inclusion in the Short Name (FISN) and a human-readable alias for the Contract Specification. The format of the Short Name is dependent upon the outcome of the ISO 18774 (FISN) systematic review. 						
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 d This specification is based on the attributes and values defined in ISO 10962 (0). In order to provide an example Short Name, this specification defines a format conform to the eventually agreed FISN format for the UPI. This specification at 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 specification for UPI does not include expiry date as part of the attributes apply. 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". 	eem. efinition. CFI:2015). t for this attrib essumes that the ne. specification for the expire	utes that are not ute that may not e Short Name is or attributes that are ed" status does not				

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	NDF			ISIN
	Level	Set	М	UPI			NEW
	Underlier ID	Enum	М	USD	ISOCurrencyCode.json	ISO 4217 (3-Char CCY)	NEW
Attribute	Underlier ID Source	String	М	CCY	[CCY]	internal	NEW
Section	Other Underlier ID	Enum	М	EUR	ISOCurrencyCode.json	ISO 4217 (3-Char CCY)	NEW
Section	Other Underlier ID Source	String	М	CCY	[CCY]	internal	NEW
	Settlement Currency	Enum	М	EUR	ISOCurrencyCode.json	ISO 4217 (3-Char CCY)	ISIN

Record Template Layout

Section	Attribute	Format	Cat	Example Value	Validation / Derivation	Enum Source	ORIGIN
Handan	Asset Class	Set	М	Foreign_Exchange		CFI:2015 Char#2	ISIN
	Instrument Type	Set	М	Forward		CFI 2015 Char#1	ISIN
Header Section	Product	Set	М	NDF			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 Section	Other Notional Currency	Enum	М	USD	ISOCurrencyCode.json	ISO 4217 (3-Char CCY)	ISIN
Section	Settlement Currency	Enum	М	EUR	ISOCurrencyCode.json	ISO 4217 (3-Char CCY)	ISIN
	UPI	String	D	QZGK726P32G2	See UPI Document (UPI Code structure and Annex C)	ISO 4914	NEW
Identifier	Status	String	D	New			ISIN
Section	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	JFTXFC	See CRF (Derivations)	ISO 10962:2015	ISIN
	Short Name	String	D	NA/Fwd NDF EUR USD	See CRF (Derivations)	ISO 18774: 2015	NEW
Derived	Underlying Asset Type	String	D	Spot	Fixed value	CFI:2015 Char#3 (JFT***)	ISIN
Section	Return or Payout Trigger	String	D	Forward price of underlying instrument	Fixed value	CFI:2015 Char#5 (JF**F*)	ISIN
	Delivery Type	String	D	CASH	Fixed value	ISO 20022	NEW
	CFI Delivery Type	String	D	Cash	Fixed value	CFI:2015 Char#6 (JF***C)	NEW

Product Definition									
Attributes	See Template Layout (above).								
Validation	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 Dictionary	This section provides	the exact referen	ce or source of the attribute.						
Dictionary	Full Name		Source		Туре				
	Notional Currency								
	Other Notional Cur	rency	ISO 4217 Currency Cod	des	Pattern: [A-Z]{3,3}				
	Settlement Currenc	:y							
Normalization	 Notional Currency and Other Notional Currency The input notional and other notional currency submitted by users need to normalize to ensure that same UPI is returned for a same set of attributes. Order the "Notional currency" and "Other Notional Currency" alphabetically. 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 								
Derivation	This section provides additional details to the derivation logic specified in the Template Layout sections (above).								
	Classification Type Concatenation of the following attributes/values: Instrument Type: "J" Asset Class: "F"								

	Short Name		cable/und Payout Tr Type: ne followir me: nt Type: Currency: tional Currency USD"	efined: rigger: ng attrib	rined: "X" riger: "F" "C" attributes/values: "NA/" "Fwd" (fixed value) "NDF" (fixed value) "EUR" (from output value)				
GUI Details	The following section OTC ISIN definition.		formation	for any	attributes (and values) that are	e not included in the related			
	Attribute	Display Name	Tool Tip	(and • va	lue elaboration)				
	Underlier ID	Underlier ID		ng a conti	ract or, in the case of a foreign exc	et(s), index (indices) or benchmark change derivative, identification of			
	Underlier ID Source	Underlier ID Source	The origi	n, or pub	lisher, of the associated underlier	ID.			
	Other 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			The origin, or publisher, of the associated underlier ID.					
	UPI	Identification	Unique Product Identifier (ISO 4914).						
	CFI Delivery Type	CFI Delivery Type • Cash		ery Type as defined by CFI code: ISO 10962 ined by CFI Code: ISO 10962					
Additional Inform	nation								
Reference	References to exter external-reference-		e found or	n the DS	B website at this address [http	s://www.anna-dsb.com/upi-			
Comments	 For NDF pr The value v 	oducts, only "CASH" i	s supporte est since D	ed as De SB OTC	Abbrev w acronyms-Final_v0 livery type and will display the ISIN added the delivery type in pe.	value in the derived section.			
ISO 4914 Equivalence	ISO 4914				Request Attribute	Record Attribute			
Equivalence	Asset Class			М	Asset Class	Asset Class			
	Instrument Type	e		М	Instrument Type	Instrument Type			
	Dalli sam Tim					Delivery Type			
	Delivery Type			M	Not Required	CFI Delivery Type			
	Return, pricing	method or payout trig	gger	М	Not Required	Return or Payout Trigger			
	Settlement currency				Settlement Currency	Settlement Currency			
				С	Underlier ID	Notional Currency			
	Underlier ID				Other Underlier ID	Other Notional Currency			

	Underlier ID source		Underlier ID source	Not Required
			Other Underlier ID source	Not Required
	Underlier Type	М	Not Required	Underlying Asset Type
	Underlying contract tenor period *	С	Not Required	
	Underlying contract tenor period multiplier *	С	Not Required	

^{*}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.