

Derivatives Service Bureau
CHANGE REQUEST FORM

Version	State	Author	Date	Description
1	Draft	M.A. Gariplan	12 Jan 2022	Initial Document

Title		Rates : Term of Contract : Add attribute title in the OneOf Structure to the Rates and Non-Standard templates		
Background		<p>At present, the oneOf structure of Term of Contract [RTS23/Field41] does not include the attribute title. It only displays "Attributes" where user can select either "By Tenor" or "By Effective Date". In order to improve user experience, it is suggested to replace the attribute title, i.e., "Term of Contract".</p> <p>This update will impact templates within the RATES and OTHER Asset Classes that include Term of Contract [RTS23/Field41] attribute.</p> <p>Note: This should be read in conjunction with DSB-1440/1441/1442.</p>	JIRA	DSB-1648
			Type	Enhancement
			Owner	M.A. Gariplan
			Version	1
			State	Draft
Terms of Reference	Scope	<p>In-Scope</p> <ul style="list-style-type: none"> This CRF covers the input (Request) template in the GUI and API. <p>Out-Scope</p> <ul style="list-style-type: none"> This CRF will not cover Rates product templates that has Underlying Instrument ISIN as its underlier. 		
Requirements	<p>There is a requirement to improve the user experience in creating and generating an ISIN by displaying "Term of Contract" instead of "Attribute" in the selection of "By Tenor" or "By Effective Date".</p> <p>Term of Contract is specified as Field 41 in the RTS 23.</p>			
Technical Considerations	<p>This enhancement will both impact GUI and API [Rest & FIX].</p>			
Change Details	<p>For the in-scope templates, the enhancement of "Attribute" to "Term of Contract" will apply:</p> <ol style="list-style-type: none"> Rates template <p>The current display name for the in-scope Rates product templates is "Attribute" which upon implementation of the enhancement, will be replaced by "Term of Contract".</p>			

2. Other template

The current display name for the in-scope Other asset class product templates is “Attribute” which upon implementation of the enhancement, will be replaced by “Term of Contract”.

GUI Details

This section provides display information for new attribute “Term of Contract”.

Attribute	Display Name	Tool Tip (and • value elaboration)
Term of Contract	Term of Contract	This field states the term of the contract. The term shall be expressed in days, weeks, months, or years.

Change Impact

In-scope templates:
 Rates

- Rates.Forward.FRA_Index

	<ul style="list-style-type: none"> • Rates.Option.CapFloor • Rates.Option.Inflation_CapFloor • Rates.Option.Non_Standard • Rates.Swap.Basis • Rates.Swap.Basis_OIS • Rates.Swap.Cross_Currency_Basis • Rates.Swap.Cross_Currency_Fixed_Fixed • Rates.Swap.Cross_Currency_Fixed_Float • Rates.Swap.Cross_Currency_Fixed_Float_NDS • Rates.Swap.Cross_Currency_Inflation_Swap • Rates.Swap.Cross_Currency_Zero_Coupon • Rates.Swap.Fixed_Fixed • Rates.Swap.Fixed_Float • Rates.Swap.Fixed_Float_OIS • Rates.Swap.Fixed_Float_Zero_Coupon • Rates.Swap.Inflation_Basis • Rates.Swap.Inflation_Basis_YoY • Rates.Swap.Inflation_Basis_Zero_Coupon • • Rates.Swap.Inflation_Fixed_Float_YoY • Rates.Swap.Inflation_Fixed_Float_Zero_Coupon • Rates.Swap.Inflation_Swap • Rates.Swap.Non_Standard <p>Other</p> <ul style="list-style-type: none"> • Other.Option.Non_Standard • Other.Swap.Non_Standard • Other.Other.Non_Standard <p>Out of scope templates:</p> <ul style="list-style-type: none"> • Rates.Forward.FRA_Other • Rates.Option.Debt_Option • Rates.Option.Swaption
<p>Backward Compatibility</p>	<p>At present, the input (Request) template does not contain a specific attribute for “Term of Contract”. Instead, it is aligned in the highest hierarchy of the template. Once the enhancement is implemented, a new attribute “Term of Contract” will be added and will be structured as OneOf.</p> <p>This change supports the following 4 functionalities:</p> <ul style="list-style-type: none"> • Retrieve or Create ISIN Record

	<p>User can retrieve or create an ISIN via Request template and the system returns the versioned Record template.</p> <ul style="list-style-type: none"> • Retrieve No Create User can retrieve an ISIN, and attributes related to that ISIN (including the derived attributes) if it already exists. This does not create a record if no ISIN is found. • Retrieve ISIN Record by ISIN User can retrieve an existing OTC ISIN based on the versioned Record template. • Search for ISIN Record User can search for an existing OTC ISIN based on a number of criteria (i.e., ISIN attributes).
Documentation	<p>The following DSB documents are to be updated:</p> <ul style="list-style-type: none"> • DSB UAT Annex 1 Rates • DSB PROD Annex 1 Rates • DSB UAT Annex 6 Non-Std • DSB PROD Annex 6 Non-Std
References	<p>PROD https://www.anna-dsb.com/download/dsb-prod-product-definitions-annex-1-rates/ https://www.anna-dsb.com/download/dsb-prod-product-definitions-annex-6-non-std/</p> <p>UAT https://www.anna-dsb.com/download/dsb-uat-product-definitions-annex-1-rates/ https://www.anna-dsb.com/download/dsb-uat-product-definitions-annex-6-non-std/</p> <p>RTS 23 https://www.esma.europa.eu/sites/default/files/library/esma65-11-1193_firds_reference_data_reporting_instructions_v2.1.pdf</p>

Sample Request Template Layout

1. Rates

Section	Attribute	Format	Cat	Array	Example Value	Validation / Derivation	Enum Source	in UPI
Header Section	Asset Class	Set	M	N	Rates			
	Instrument Type	Set	M	N	Swap			
	Product	Set	M	N	Basis			
	Level	Set	M	N	InstRefDataReporting			
Attribute Section	Term of Contract (oneOf)	String	M	N	By Tenor			N
	Term of Contract Value	Integer	M	N	1	-999 to 999 (excluding 0)	RTS23/ Field 41	N
	Term of Contract Unit	Enum	M	N	DAYS	[DAYS, WEEK, MNTH, YEAR]	RTS23/ Field 41	N
	Term of Contract (oneOf)	String	M	N	By Effective Date			N
	Effective Date	String	M	N	2021-08-27			N
	Expiry Date Adjusted	Boolean	M	N	FALSE	Input Only		N
	Tenor Calculation Method	String	M	N	ESMA	Input Only		N
	Notional Currency	Enum	M	N	AUD	ISOCurrencyCode.json	ISO 4217 (3-Char CCY)	Y
	Expiry Date	String	M	N	2021-08-27		RTS23/ Field 24	N
	Reference Rate	Enum	M	Y	AUD-CPI		Fpml Coding Scheme 5.98 & 5.108	Y
	Reference Rate Term Value	Integer	M	N	3	-999 to 999 (excluding 0)		Y
	Reference Rate Term Unit	Enum	M	N	MNTH	[DAYS, WEEK, MNTH, YEAR]	ISO 20022	Y
	Other Leg Reference Rate	Enum	M	Y	USD-LIBOR-LIBO		Fpml Coding Scheme 5.98 & 5.108	Y
	Other Leg Reference Rate Term Value	Integer	M	N	3	-999 to 999 (excluding 0)		Y
	Other Leg Reference Rate Term Unit	Enum	M	N	MNTH	[DAYS, WEEK, MNTH, YEAR]	ISO 20022	Y
	Notional Schedule	Enum	M	N	Constant	[Constant; Accreting; Amortizing; Custom]	CFI:2015 Char#4 (SR****)	Y
Price Multiplier	number	M	N	1		RTS23/ Field 25	N	
Delivery Type	Enum	M	N	Physical	[Cash; Physical]	CFI:2015 Char#6 (SR****)	Y	

2. Other

Section	Attribute	Format	Cat	Array	Example Value	Validation / Derivation	Condition	Enum Source	in UPI
Header Section	Asset Class	Set	M	N	Other				
	Instrument Type	Set	M	N	Swap				
	Product	Set	M	N	Non_Standard				
	Level	Set	M	N	InstRefDataReporting				
Attribute Section	Expiry Date	String	M	N	2021-08-27			RTS23/ Field 24	N
	Price Multiplier	number	M	N	1			RTS23/ Field 25	N
	Delivery Type	Enum	M	N	Physical	[Cash; Physical; Auction; Elect At Exercise]		CFI:2015 Char#6 (HM****)	Y
	Underlying Asset Class.Rates	Object	C	Y					Y
	Term of Contract (oneOf)	String	(M)	N	By Tenor				N
	Term of Contract Value	Integer	(M)	N	1	-999 to 999 (excluding 0)		RTS23/ Field 41	N
	Term of Contract Unit	Enum	(M)	N	DAYS	[DAYS, WEEK, MNTH, YEAR]		RTS23/ Field 41	N
	Term of Contract (oneOf)	String	(M)	N	By Effective Date				N
	Effective Date	String	(M)	N	2021-08-27				N
	Expiry Date Adjusted	Boolean	(C)	N	FALSE				N
	Tenor Calculation Method	String	(C)	N	ESMA				N
	Notional Currency	Enum	(M)	N	AUD	ISOCurrencyCode.json	required if asset is selected	ISO 4217 (3-Char CCY)	Y
	Reference Rate	Enum	(M)	Y	AUD-CPI		required if asset is selected	Fpml Coding Scheme 5.98 & 5.108	Y
	Reference Rate Term Value	Integer	(M)	N	3	-999 to 999 (excluding 0)	required if asset is selected		Y
	Reference Rate Term Unit	Enum	(M)	N	MNTH	[DAYS, WEEK, MNTH, YEAR]	required if asset is selected	ISO 20022	Y
	Other Notional Currency	Enum	(C)	N	EUR	ISOCurrencyCode.json		ISO 4217 (3-Char CCY)	Y
Other Leg Reference Rate	Enum	(C)	Y	USD-LIBOR-LIBO			Fpml Coding Scheme 5.98 & 5.108	Y	
Other Leg Reference Rate Term Value	Integer	(C)	N	3	-999 to 999 (excluding 0)			Y	
Other Leg Reference Rate Term Unit	Enum	(C)	N	MNTH	[DAYS, WEEK, MNTH, YEAR]		ISO 20022	Y	