

Derivatives Service Bureau
CHANGE REQUEST FORM

Version	State	Author	Date	Description
1	Draft	M.A. Gariplan	18 Feb 2022	Initial Document
2	Draft	M. Surop	15 Jul 2022	Update Validation error messages

Title	Credit : Add "Other" as an exception for Instrument LEI attribute		
Background	<p>At present, the Instrument LEI and Underlying Instrument LEI attributes are in free-text data type in which users are required to input the Legal Entity Identifier (LEI) of an entity. The DSB do not have its own database or golden source for LEI, hence only a syntactical validation is performed on the attribute.</p> <p>In order to improve user experience, it is proposed to add "OTHER" as an exception to the current validation to represent entities that do not have an LEI. This is in compliance to user's respective reporting regulation.</p> <p>This update will impact templates within the CREDIT and OTHER Asset Classes that include Instrument LEI and Underlying Instrument LEI attribute.</p> <p>Note: This is the ISIN version of the UPI-1005.</p>	DSB-ID	DSB-1697
		Type	Validation
		Owner	M.A. Gariplan
		Version	2
		State	Final
Scope	<p>In-Scope</p> <ul style="list-style-type: none"> This CRF covers CREDIT products that support Instrument LEI and Underlying Instrument LEI attribute as well the OTHER (CROSS-ASSET) asset class. <p>Out of Scope</p> <ul style="list-style-type: none"> All asset class templates that do not include Instrument LEI and Underlying Instrument LEI as attribute. 		
Requirements	<p>There is a requirement to allow users to support the creation of ISIN/UPI if the underlying entity does not have a registered LEI. This is due to certain jurisdictions wherein UPI is a mandatory requirement in the transaction reporting.</p>		
Change Details	<p>At the moment, "OTHER" will be rejected when entered in the Instrument LEI and Underlying Instrument LEI attributes as this does not satisfy the existing validation. This is due to the DSB not having a golden source for LEI and can only perform syntactical validation on the attribute.</p> <p>This change is to permit the users to input "OTHER" in the field in order to create ISIN/UPI where no LEI for an entity exist.</p> <p>Once change is implemented, an exception to the current validation will be inserted to consider "OTHER":</p> <ul style="list-style-type: none"> In the GUI, user can input "OTHER" in the field. The attribute will only accept uppercase format. <ul style="list-style-type: none"> Standard template 		

	<div data-bbox="370 178 1445 646" style="border: 1px solid gray; padding: 5px;"> <p>Attributes ✎ Properties</p> <p>Notional Currency <input type="text" value="EUR"/></p> <p>Expiry Date <input type="text" value="dd --- yyyy"/></p> <p>Underlying <input type="text" value="InstrumentLEI"/></p> <p style="margin-left: 20px;">Instrument LEI <input type="text" value="OTHER"/></p> <p>Debt Seniority <input type="text" value="Senior Debt"/></p> <p>Delivery Type <input type="text" value="Auction"/></p> <p>Price Multiplier <input type="text" value="1"/></p> <p>Underlying Issuer Type <input type="text" value="Corporate"/></p> </div> <p style="text-align: center;">○ Non-Standard template</p> <div data-bbox="370 714 1445 1270" style="border: 1px solid gray; padding: 5px;"> <p>Underlying ✎ Properties</p> <p>UnderlyingInstrumentISIN</p> <p style="margin-left: 20px;">Instrument ISIN 1 <input type="text"/></p> <p style="margin-left: 20px;">+ Instrument ISIN</p> <p>UnderlyingInstrumentLEI</p> <p style="margin-left: 20px;">Instrument LEI 1 <input type="text" value="OTHER"/></p> <p style="margin-left: 20px;">+ Instrument LEI</p> <p>UnderlyingInstrumentIndex</p> <ul style="list-style-type: none"> ABX.HE.A ABX.HE.AA ABX.HE.AAA ABX.HE.BBB- ABX.HE.BBB ABX.HE.PENAAA CDX.EM.DIVERSIFIED CDX.EM.ex-EU CDX.EM CDX.LATAM.CORP CDX.MALMO </div>
<p>Validation</p>	<p>The following validations will apply:</p> <ul style="list-style-type: none"> • The input text by user must be in 20 characters (18 alphanumeric, 2 numeric) or in uppercase "OTHER". • If the input LEI is less or more than 20 characters and/or is not aligned with the above pattern before hitting create, an error message will apply "Value must match pattern <code>^(OTHER [A-Z0-9]{18}[0-9]{2})\$</code>". • If the input LEI is not aligned with the pattern and conformed with the syntactic validation after hitting create, the following error message will apply: <ol style="list-style-type: none"> a. For Credit Standard templates: "Error: /Attributes/Underlying: instance failed to match exactly one schema (matched 0 out of 2)". b. For Credit Non_Standard templates: "/Attributes/Underlying/UnderlyingInstrumentLEI/0: ECMA 262 regex <code>\"^^(OTHER [A-Z0-9]{18}[0-9]{2})\$\"</code> does not match input string <code><invalid input>\"</code>". c. For Multi-Asset product templates: "/Attributes: instance failed to match exactly one schema (matched 0 out of 3)".
<p>Impacted Products</p>	<p>Please note that the Request and Record templates for the following products will be impacted.</p>

	<p>Instrument LEI:</p> <ul style="list-style-type: none"> • Credit.Swap.ABS • Credit.Swap.Corporate • Credit.Swap.Loan • Credit.Swap.Municipal • Credit.Swap.Sovereign <p>Underlying Instrument LEI:</p> <ul style="list-style-type: none"> • Credit.Swap.Non_Standard • Credit.Option.Non_Standard • Other.Option.Non_Standard • Other.Other.Non_Standard • Other.Swap.Non_Standard <p><i>Note: Impacts Normalised and Non-Normalised templates.</i></p>	
User Impact?	Yes	Users will need to download the updated templates in order to access this functionality.
	Versions	The version number of all in-scope Record templates will not be impacted.
Use Cases	<p>For each of the in-scope templates: Valid Request:</p> <ol style="list-style-type: none"> 1. Select the new enumerated value within the impacted attribute(s). 2. Search for products that include the new enumerated value. 	
Documentation	<p>The following DSB documents are to be updated:</p> <p>DSB PROD Product Definition: https://www.anna-dsb.com/download/dsb-prod-product-definitions-pdf/</p> <p>DSB UAT Product Definition: https://www.anna-dsb.com/download/dsb-uat-product-definitions/</p> <p>ANNA-DSB FAQ: https://www.anna-dsb.com/faq/</p>	
References	None.	