DERIVATIVES SERVICE BUREAU (DSB) LTD

Credit : Swap : ABS

ISIN Product Definition

Version 1

Date	Status	Version	Revision Details
26 Sep 2023	Draft	1	Initial Version

Contents

1. Introduction

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

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

1.1 Associated Documentation

The reference documents below contain values and information maintained by the DSB for consistency and ease of access.

These documents are made available on the ANNA DSB website (Product Definitions page):

<table>
<tr><th>Title</th><th>Description</th><th>Location</th></tr>
<tr><td>Enumerations Document</td><td>Lists all fixed values used for a product</td><td>Enumerations section</td></tr>
<tr><td>Product Definition Data Dictionary</td><td>Defines attributes in the Request and Record templates; and from which they are referenced on</td><td rowspan="4">Other Documents section</td></tr>
<tr><td>Product Definition Validations and Normalizations Document</td><td>Specifies details on validation and normalization rules</td></tr>
<tr><td>Best Practice Guidelines and FAQs</td><td>Lists answers to queries raised by users and provides guidance on the use of the templates</td></tr>
<tr><td>GitHub Environment Section</td><td>ANNA DSB Github Environment where the JSON templates for each product is found</td></tr>
</table>

2. Product Taxonomy

2.1 CFI Taxonomy

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

Attr #	Title	Values	Name	Description
	Instrument (Category)	**S**	Swap	
	Asset Class (Group)	**C**	Credit	
Attr #1	**Underlying Assets**	**M**	Others	Miscellaneous
Attr #2	**Return or payout trigger**	**C**	Credit Default	Credit Default
Attr #3	**Underlying Issuer Type**	**C**	Corporate	The underlying exposure is a corporate (a private sector entity)
		S	Sovereign	The underlying exposure is a sovereign, e.g., country; thus, investor's risk is that a country may not (be able to) pay its debt obligations; supranationals would be included here
		L	Local	A municipality or local government authority
Attr #4	**Delivery Type**	**C**	Cash	Cash
		P	Physical	Physical
		A	Auction	An independently administered synthetic auction process on a set of defined deliverable obligations that sets a reference final price that can be used to facilitate cash settlement of all covered transactions following a credit event

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
Credit	Single Name	ABS	*Various entries*	ABS

3. Request Template

The Request Template describes the input message received by the OTC ISIN service.

Users can find the detailed description of this template in the Credit spreadsheet that contains the layout of all templates. This can be found in the Credit section of the Product Definitions page on the ANNA DSB website.

Change details of the template can be found on the appropriate Github page.

Template name	Template details	Release
Request.Credit.Swap.ABS.InstRefDataReporting.json	Initial version	Initial

3.1 Validation Rules

- For non-specific product validation rules, please refer to ISIN Product Definition Validations and Normalizations Document (See Section 1.1).
- For enumerations, please refer to the associated ISIN Product Definition Enumeration document for the impacted attributes (See Section 1.1).

4. Record Template

The Record Template describes the record returned by the OTC ISIN service.

Users can find the detailed description of this template in the Credit spreadsheet that contains the layout of all templates. This can be found in the Credit section of the Product Definitions page on the ANNA DSB website.

Change details of the template can be found on the appropriate Github page.

Version	Template name	Template details
V1	**Credit.Swap.ABS.InstRefDataReporting.V1.json**	Initial version
V1M1	**Credit.Swap.ABS.InstRefDataReporting.V1M1.json**	Added Parent UPI

4.1 Normalization Rules

For non-specific product normalization rules, please refer to the Product Definition Validations and Normalizations (See Section 1.1).

4.2 Derivation Rules

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

4.2.1 Full Name

Attribute	Full Name		
Structure	Asset Class + Instrument Type + Product + Underlying Asset Type + Instrument ISIN/LEI + Notional Currency + Expiry Date		
Example	Credit Swap ABS Other US92857WBQ24 EUR 20230321		
Source	RTS23/Field2 - Instrument Full Name		
Source Attribute	**Source Value**	**Derivation Method**	**Result**
Asset Class	Credit	Fixed Value	Credit
Instrument Type	Swap	Fixed Abbreviation	Swap
Product	ABS	Fixed Abbreviation	ABS
Underlying Asset Type	Other	Fixed Abbreviation	Other
Instrument ISIN/LEI	e.g., US92857WBQ24	Extracted value =>	e.g., US92857WBQ24
	e.g., INR2EJN1ERAN0W5ZP974	Extracted value =>	e.g., INR2EJN1ERAN0W5ZP974

Notional Currency	Notional Currency	Mapped Enumeration	e.g., USD, EUR, GBP
Expiry Date	Expiry Date	Date Format (YYYYMMDD)	20230321

4.2.2 Classification Type

Attribute	Classification Type		
Structure	Instrument Type + Asset Class + Underlying Asset Type + Return or Payout Trigger + Underlying Issuer Type + Delivery Type		
Example	SCMCCA		
Source	ISO 10962 (CFI) – Third edition 2015-07-15		
Source Attribute	**Source Value**	**Derivation Method**	**Result**
Instrument Type	Swap	Fixed Mapping	S
Asset Class	Credit	Fixed Mapping	C
Underlying Asset Type	Other	Fixed Mapping	M
Return or Payout Trigger	Credit Default	Fixed Mapping	C
Underlying Issuer Type	Corporate	Mapped to =>	C
	Sovereign	Mapped to =>	S
	Local	Mapped to =>	L
Delivery Type	CASH	Mapped to =>	C
	PHYS	Mapped to =>	P
	OPTL	Mapped to =>	A

4.2.3 Short Name

Attribute	Short Name		
Structure	"NA" + "/" + Instrument Type + Underlying Issuer Type + Underlying Asset Type + Debt Seniority		
Example	NA/CDS Corp Oth Sr EUR 20230321		
Source	ISO 18774 (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	CDS
Underlying Issuer Type	Corporate	Mapped to =>	Corp
	Sovereign	Mapped to =>	Sov
	Local	Mapped to =>	Mun
Underlying Asset Type	Other	Fixed Abbreviation	Oth
Debt Seniority	SNDB	Mapped to =>	Sr
	MZZD	Mapped to =>	Mz
	SBOD	Mapped to =>	Sub
	JUND	Mapped to =>	Jr
Notional Currency	Notional Currency	Mapped Enumeration	e.g., USD, EUR, GBP
Expiry Date	Expiry Date	Date Format (YYYYMMDD)	20230321

5. Supplementary Information

5.1 Best Practice Guidelines

Please refer to Best Practice Guidelines and FAQs (See Section 1.1).

5.2 Additional Comments

The Contract Specification attribute only applies to Credit.Swap.Corporate; Credit.Swap.Municipal; Credit.Swap.Sovereign and Credit.Swap.Non_Standard. It does not apply to Credit.Swap.Loan; Credit.Swap.ABS; Credit.Swap.Index; Credit.Swap.Index_Tranche and Credit.Swap.Total_Return_Swap.

6. Appendix 1 - OTC ISIN-UPI Mapping

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

One Of	ISIN Input Attributes	Mapping Logic	UPI Input Attributes	Sample UPI Value	Comments
	Asset Class	Direct Map	Asset Class	Credit	
	Instrument Type	Direct Map	Instrument Type	Swap	
	Use Case	Direct Map	Product	ABS	
	Level	Set to "UPI"	Level	UPI	
	Notional Currency	No Mapping			
	Expiry Date	No Mapping			
A	Underlying Instrument ISIN	Set to "Fixed Income Security"	Underlier Type	Fixed Income Security	"One Of" Underlier Type
		Map to	Underlier ID	US92857WBQ24	
		Set to "ISIN, FIGI, CUSIP, SEDOL"	Underlier ID Source	ISIN	
B	Underlying Instrument LEI	Set to "Legal Entity"	Underlier Type	Legal Entity	"One Of" Underlier Type
		Map to	Underlier ID	INR2EJN1ERAN0W5ZP974	
		Set to "LEI"	Underlier ID Source	LEI	
	Debt Seniority	Direct Map	Debt Seniority	SNDB	
	Delivery Type	Direct Map	Delivery Type	CASH	
	Price Multiplier	No Mapping			
	Underlying Issuer Type	Direct Map	Underlying Issuer Type	Corporate	