New Derivative Securities Product Technical Specification DRAFT

December 31, 2024

1   OVERVIEW

1.1 Goal

This document provides the technical specification for how a self-regulating organization prepares a New Derivative Securities Product (NDSP) report appendix pursuant to Rule 19b-4(e) as required by 17 CFR 240.19b-4(e)(2)(ii).

The Technical Specification defines syntax of data elements, their contents, element arrangements, validation methods and dissemination methods for the NDSP.

This Technical Specification has been created for a technical audience for conforming new derivative securities product data to the NDSP schema. This specification does not provide guidance on any rule.

Please provide any comments on the NDSP Schema via email to `StructuredData (at) sec.gov` and include "NDSP Schema" in the Subject line.

1.2 Notation

Literal technical syntax appears in a `fixed width font`.

1.3 Concept Definition Tables

The headers of a concept definition table are as follows:

Ref. provides the citation to the relevant section within 240.19b-4(e).

Concept is a brief title for the data element.

D denotes the depth of nesting within the XML report that the element occurs.

# denotes the number of occurrences allowed for a given element. "1" indicates the element is required; "`1..n`" indicates that at least `1` and at most `n` occurrences are allowed, with "*" indicating an unlimited number of occurrences.

Element is the abbreviation used in the schema and in schema-valid instance files. For example, "Version" is a concept, while `version` is the element name.

Definition: When the concept is defined in the rule, that definition is provided here. Simple elements may be described as numbers, text, time stamps, etc., but some elements are composed of other elements.

1.4   Abbreviations Used Within Element Names

The abbreviations are drawn from conventional XML element names.

Abbr.	Meaning
am	A.M.
clss	Class
dt	Date
frst	First
indx	Index
instrm	Instrument
issr	Issuer
lmts	Limits
mkts	Markets
ndsp	New Derivative Securities Product
oth	Other
phys	Physical
pm	P.M.
pos	Position
pstng	Posting
rpt	Report
sttl	Settlement
trad	Trade
typ	Type
undrlyg	Underlying
xchg	Exchange
yn	Yes or No

In some cases, the abbreviations are combined into a single concept. For example, `issrTyp` refers to the type of issuer.

1.5   Reporting No Activity

Each report requires at least one new product; if there are no new products, there is no file.

1.6   Validation

XML Schema validation will signal errors such as missing or misplaced elements, and text fields with invalid contents or too many characters.

2 REPORT DEFINITIONS

19b-4(e) Ref.	Concept	D	#	Element	Format
(ii)	NDSP Report	0	1	`ndspRpt`	Root element
(ii)	New derivative securities product	1	1..*	`ndsp`	Container element for depth 2 elements. Note that all depth 2 elements are required, even if their content is blank.

(ii)	Exchange	2	1	`xchg`	Text up to 20 characters.
					
					Typical values would be:
					
					`Cboe BYX`
					`Cboe BZX`
					`Cboe EDGA`
					`Cboe EDGX`
					`NYSE LLC`
					`NYSE ARCA`
					`NASDAQ`
					
					Exchanges should select one value and use it consistently across all Form 19b-4e files posted.

(ii)	Date of Posting	2	1	`pstngDt`	10 text characters formatted YYYY-MM-DD
(ii)	Date of First Trade	2	1	`frstTradDt`	10 text characters formatted YYYY-MM-DD
(ii)(E)	Ticker symbol of new derivative securities product	2	1	`ticker`	Text, up to 6 characters.

(ii)(A)	Type of issuer of new derivative securities product.	2	1	`issrTyp`	Value must be one of:
					
					`Clearing House`
					`Corporation`
					`Broker-Dealer`
					`Bank`
					`Trust`
					`Other`

(ii)(A)	Type of issuer of new derivative securities product, if "Other"	2	1	`othIssrTyp`	If `issrTyp` is `Other`, then text up to 40 characters, else blank.

19b-4(e) Ref.	Concept	D	#	Element	Format

(ii)(B)	Class of new derivative securities product	2	1	`clss`	Value must be one of:
					
					`Currency Trust Shares`
					`Equity Linked Notes`
					`Exchange-Traded Notes`
					`Trust Issued Receipts`
					`Exchange-Traded Fund`
					`Index-Linked Exchangeable Notes`
					`Option`
					`Other`

(ii)(B)	Class of new derivative securities product, if "Other"	2	1	`othClss`	If `clss` is `Other`, then text up to 30 characters, else blank.
(ii)(C)	Name of underlying instrument	2	1	`undrlygInstrm`	Text, up to 60 characters.
(ii)(F)	Market(s) upon which securities comprising the underlying instrument trades – US	2	1	`usMkts`	`Y` or `N` only.
(ii)(F)	Market(s) upon which securities comprising the underlying instrument trades – Non-US	2	1	`nonUsMkts`	`Y` or `N` only.

(ii)(D)	If the underlying instrument is an index, identify whether it is broad-based or narrow-based, else N/A	2	1	`indxTyp`	Value must be one of:
					
					`N/A`
					`Broad-based`
					`Narrow-based`

(ii)(G)	Settlement methodology of new derivative securities product - Cash	2	1	`cashSttl`	`Y` or `N` only.
(ii)(G)	Settlement methodology of new derivative securities product – Physical	2	1	`physSttl`	`Y` or `N` only.
(ii)(G)	Settlement methodology of new derivative securities product – A.M.	2	1	`amSttl`	`Y` or `N` only.

19b-4(e) Ref.	Concept	D	#	Element	Format
(ii)(G)	Settlement methodology of new derivative securities product – P.M	2	1	`pmSttl`	`Y` or `N` only.
(ii)(G)	Settlement methodology of new derivative securities product – Other	2	1	`othSttl`	Text, up to 150 characters.
(ii)(H)	Position limits of new derivative securities product (if applicable)	2	1	`posLmts`	Text, 1 to 50 characters. Use `N/A` to indicate not applicable.

3 REFERENCES

XML Schema 1.0: www.w3.org/XML/Schema

XML Tags: https://www.iso20022.org/sites/default/files/documents/D7/XML_Tags.pdf

4 SCHEMA

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!-- This schema was created by staff of the U.S. Securities and Exchange
Commission. Data and content created by government employees within the scope
of their employment are not subject to domestic copyright protection. 17
U.S.C. 105. -->
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified">
  <xs:annotation>
    <xs:documentation xml:lang="en">New Derivative Securities Product</xs:documentation>
  </xs:annotation>
  <xs:element name="ndspRpt" type="NEW_DERIVATIVE_SECURITIES_PRODUCT_REPORT_TYPE"/>
  <xs:complexType name="NEW_DERIVATIVE_SECURITIES_PRODUCT_REPORT_TYPE">
    <xs:sequence>
      <xs:element name="ndsp" type="NEW_DERIVATIVE_SECURITIES_PRODUCT"
maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="NEW_DERIVATIVE_SECURITIES_PRODUCT">
    <xs:annotation>
      <xs:documentation xml:lang="en">Document type for a new derivative securities product
report. Appendix to Form 19b-4e).</xs:documentation>
    </xs:annotation>
    <xs:sequence>
      <xs:element name="xchg" type="xs:token">
        <xs:annotation>
          <xs:documentation>Exchange Name</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="pstngDt" type="xs:date">
        <xs:annotation>
          <xs:documentation>Date of Posting</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="frstTradDt" type="xs:date">
        <xs:annotation>
```

```
      <xs:documentation>Date of First Trade</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="ticker" minOccurs="1" maxOccurs="1">
    <xs:annotation>
      <xs:documentation>240.19b-4(e)(2)(ii)(E) Ticker symbol of new derivative securities
product, up to 6 characters. Can only occur once in an ndsp element.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:maxLength value="6"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="issrTyp">
    <xs:annotation>
      <xs:documentation xml:lang="en">240.19b-4(e)(2)(ii)(A) Type of issuer of new
derivative securities product: one of "Clearing House", Corporation, "Broker-Dealer", "Bank",
"Trust", or "Other".</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <xs:restriction base="xs:token">
        <xs:enumeration value="Clearing House"/>
        <xs:enumeration value="Corporation"/>
        <xs:enumeration value="Broker-Dealer"/>
        <xs:enumeration value="Bank"/>
        <xs:enumeration value="Trust"/>
        <xs:enumeration value="Other"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="othIssrTyp">
    <xs:annotation>
      <xs:documentation xml:lang="en">240.19b-4(e)(2)(ii)(A) Type of issuer of new
derivative securities product, if "Other", up to 40 characters.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:maxLength value="40"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="clss">
    <xs:annotation>
      <xs:documentation>240.19b-4(e)(2)(ii)(B) Class of new derivative securities
product: one of "Currency Trust Shares", "Equity Linked Notes", "Exchange-Traded Notes",
"Trust Issued Receipts", "Exchange-Traded Fund", "Index-Linked Exchangeable Notes", "Option",
or "Other"</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <xs:restriction base="xs:token">
        <xs:enumeration value="Currency Trust Shares"/>
        <xs:enumeration value="Equity Linked Notes"/>
        <xs:enumeration value="Exchange-Traded Notes"/>
        <xs:enumeration value="Trust Issued Receipts"/>
        <xs:enumeration value="Exchange-Traded Fund"/>
        <xs:enumeration value="Index-Linked Exchangeable Notes"/>
        <xs:enumeration value="Option"/>
        <xs:enumeration value="Other"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="othClss">
```

```xml
      <xs:annotation>
        <xs:documentation>240.19b-4(e)(2)(ii)(B) Class of new derivative securities
product, if "Other", up to 30 characters.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="30"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="undrlyngInstrm">
      <xs:annotation>
        <xs:documentation>240.19b-4(e)(2)(ii)(C) Name of underlying instrument, up to 60
characters.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="60"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="usMkts" type="YN_TYPE">
      <xs:annotation>
        <xs:documentation>240.19b-4(e)(2)(ii)(F) Market(s) upon which securities comprising
the underlying instrument trades, US.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="nonUsMkts" type="YN_TYPE">
      <xs:annotation>
        <xs:documentation>240.19b-4(e)(2)(ii)(F) Market(s) upon which securities comprising
the underlying instrument trades, non-US.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="cashSttl" type="YN_TYPE">
      <xs:annotation>
        <xs:documentation xml:lang="en">240.19b-4(e)(2)(ii) (G) Settlement methodology of
new derivative securities product, cash.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="physSttl" type="YN_TYPE">
      <xs:annotation>
        <xs:documentation xml:lang="en">240.19b-4(e)(2)(ii) (G) Settlement methodology of
new derivative securities product, physical.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="amSttl" type="YN_TYPE">
      <xs:annotation>
        <xs:documentation xml:lang="en">240.19b-4(e)(2)(ii) (G) Settlement methodology of
new derivative securities product, A.M.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="pmSttl" type="YN_TYPE">
      <xs:annotation>
        <xs:documentation xml:lang="en">240.19b-4(e)(2)(ii) (G) Settlement methodology of
new derivative securities product, P.M.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="othSttl">
      <xs:annotation>
        <xs:documentation xml:lang="en">240.19b-4(e)(2)(ii) (G) Settlement methodology of
new derivative securities product, other, up to 150 characters.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
```

```xml
              <xs:restriction base="xs:string">
                <xs:maxLength value="150"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="indxTyp">
            <xs:annotation>
              <xs:documentation xml:lang="en">240.19b-4(e)(2)(ii)(D) If the underlying instrument
is an index, identify whether it is broad-based pr narrow-based, else
"N/A".</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:enumeration value="Broad-based"/>
                <xs:enumeration value="Narrow-based"/>
                <xs:enumeration value="N/A"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="posLmts">
            <xs:annotation>
              <xs:documentation xml:lang="en">240.19b-4(e)(2)(ii) (H) Position limits of new
derivative securities product (if applicable), up to 50 characters; use "N/A" to indicate not
applicable.</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:maxLength value="50"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
        </xs:sequence>
      </xs:complexType>
      <xs:simpleType name="YN_TYPE">
        <xs:restriction base="xs:token">
          <xs:enumeration value="Y"/>
          <xs:enumeration value="N"/>
        </xs:restriction>
      </xs:simpleType>
</xs:schema>
```