

FpML Exchange Sample

XML - ISDA standard, a product & customer standardized for sharing

Sanitized work sample authored by Bernard Millet. All client-specific data, names and identifiers have been removed; it is representative of approach and craft, not a client deliverable.

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- =====
FpML SAMPLE: what FpML is, shown with a product and a customer
Author: Bernard Millet. DAMA-DMBOK: Reference Data and Interoperability
Portfolio work sample. Sanitized and representative; no proprietary data.
=====
WHAT IS FpML?
FpML (Financial products Markup Language) is the open, ISDA-governed XML
standard for describing financial products and trades. Its purpose is
INTEROPERABILITY: two institutions - or two internal systems - can exchange
the SAME standardized description of a product, a counterparty (customer)
and the economic terms of a trade, without bespoke point-to-point formats.

This example shows the two things every FpML message needs:
1. PARTIES - who is involved (here: a dealer bank and a customer)
2. A PRODUCT - the financial instrument and its economic terms
(here: a vanilla single-currency interest-rate swap)

Standardizing this is exactly the reference-data normalisation problem:
one agreed structure and one agreed set of codes (ISO currencies, ISDA
business-day conventions, LEI party identifiers) so data means the same
thing everywhere it flows.
===== -->
<FpML xmlns="http://www.fpml.org/FpML-5/confirmation"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
fpmlVersion="5-12"
xsi:type="DataDocument">

  <trade>
    <tradeHeader>
      <!-- Trade identifiers issued by each party -->
      <partyTradeIdentifier>
        <partyReference href="DEALER"/>
        <tradeId tradeIdScheme="http://dealer.example.com/trade-id">SW-2026-008842</tradeId>
      </partyTradeIdentifier>
      <partyTradeIdentifier>
        <partyReference href="CUSTOMER"/>
        <tradeId tradeIdScheme="http://acme.example.com/trade-id">ACME-IRS-0017</tradeId>
      </partyTradeIdentifier>
      <tradeDate>2026-06-29</tradeDate>
    </tradeHeader>

    <!-- ===== THE PRODUCT ===== -->
    <!-- A fixed-for-floating interest rate swap: the customer pays a fixed
         rate, the dealer pays a floating rate (EURIBOR 6M), on EUR 10,000,000. -->
    <swap>

      <!-- Leg 1: CUSTOMER pays FIXED 3.10% -->
      <swapStream>
        <payerPartyReference href="CUSTOMER"/>
        <receiverPartyReference href="DEALER"/>
        <calculationPeriodDates id="fixedLegDates">
          <effectiveDate><unadjustedDate>2026-07-01</unadjustedDate></effectiveDate>
          <terminationDate><unadjustedDate>2031-07-01</unadjustedDate></terminationDate>
        </calculationPeriodDates>
        <calculationPeriodAmount>
          <calculation>
            <notionalSchedule>
              <notionalStepSchedule>
                <initialValue>10000000.00</initialValue>
                <currency>EUR</currency> <!-- ISO 4217 -->
              </notionalStepSchedule>
            </notionalSchedule>
            <fixedRateSchedule>
              <initialValue>0.0310</initialValue> <!-- 3.10% -->
            </fixedRateSchedule>
            <dayCountFraction>30E/360</dayCountFraction>
          </calculation>
        </calculationPeriodAmount>
      </swapStream>
    </swap>
  </trade>
</FpML>
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        </calculationPeriodAmount>
    </swapStream>

    <!-- Leg 2: DEALER pays FLOATING EURIBOR 6M -->
    <swapStream>
        <payerPartyReference href="DEALER"/>
        <receiverPartyReference href="CUSTOMER"/>
        <calculationPeriodDates id="floatLegDates">
            <effectiveDate><unadjustedDate>2026-07-01</unadjustedDate></effectiveDate>
            <terminationDate><unadjustedDate>2031-07-01</unadjustedDate></terminationDate>
        </calculationPeriodDates>
        <calculationPeriodAmount>
            <calculation>
                <notionalSchedule>
                    <notionalStepSchedule>
                        <initialValue>10000000.00</initialValue>
                        <currency>EUR</currency>
                    </notionalStepSchedule>
                </notionalSchedule>
                <floatingRateCalculation>
                    <floatingRateIndex>EUR-EURIBOR-Reuters</floatingRateIndex>
                    <indexTenor><periodMultiplier>6</periodMultiplier><period>M</period></indexTenor>
                </floatingRateCalculation>
                <dayCountFraction>ACT/360</dayCountFraction>
            </calculation>
        </calculationPeriodAmount>
    </swapStream>

</swap>
</trade>

<!-- ===== THE PARTIES (incl. the customer) ===== -->
<!-- Parties are identified by LEI (Legal Entity Identifier) - a global,
standardized reference-data key, so the customer is unambiguous to
every downstream system and counterparty. -->
<party id="DEALER">
    <partyId partyIdScheme="http://www.fpml.org/coding-scheme/external/iso17442">5493000GLOBALBANKXX99</partyId>
    <partyName>Global Bank AG (dealer)</partyName>
</party>
<party id="CUSTOMER">
    <partyId partyIdScheme="http://www.fpml.org/coding-scheme/external/iso17442">5299000ACMECUSTOMER42</partyId>
    <partyName>Acme Manufacturing AG (customer)</partyName>
</party>
</FpML>

```