



The Global Language of Business

Price Commentary Using Flex Extension Implementation Guide

Release 1.0, Issue, May 2017





Document Summary

Document Item	Current Value
Document Name	Price Commentary Using Flex Extension Implementation Guide
Document Date	May 2017
Document Version	1.0
Document Issue	1.0
Document Status	Issue
Document Description	Description on how to use the Flex Extension to send Price Commentary

Log of Changes

Release	Date of Change	Changed By	Summary of Change
1.0	May 2017	Eric Kauz	Initial Draft

Disclaimer

GS1®, under its IP Policy, seeks to avoid uncertainty regarding intellectual property claims by requiring the participants in the Work Group that developed this **GS1 Document Name Implementation Guide** to agree to grant to GS1 members a royalty-free licence or a RAND licence to Necessary Claims, as that term is defined in the GS1 IP Policy. Furthermore, attention is drawn to the possibility that an implementation of one or more features of this Specification may be the subject of a patent or other intellectual property right that does not involve a Necessary Claim. Any such patent or other intellectual property right is not subject to the licencing obligations of GS1. Moreover, the agreement to grant licences provided under the GS1 IP Policy does not include IP rights and any claims of third parties who were not participants in the Work Group.

Accordingly, GS1 recommends that any organisation developing an implementation designed to be in conformance with this Specification should determine whether there are any patents that may encompass a specific implementation that the organisation is developing in compliance with the Specification and whether a licence under a patent or other intellectual property right is needed. Such a determination of a need for licencing should be made in view of the details of the specific system designed by the organisation in consultation with their own patent counsel.

THIS DOCUMENT IS PROVIDED "AS IS" WITH NO WARRANTIES WHATSOEVER, INCLUDING ANY WARRANTY OF MERCHANTABILITY, NONINFRINGEMENT, FITNESS FOR PARTICULAR PURPOSE, OR ANY WARRANTY OTHERWISE ARISING OUT OF THIS SPECIFICATION. GS1 disclaims all liability for any damages arising from use or misuse of this Standard, whether special, indirect, consequential, or compensatory damages, and including liability for infringement of any intellectual property rights, relating to use of information in or reliance upon this document.

GS1 retains the right to make changes to this document at any time, without notice. GS1 makes no warranty for the use of this document and assumes no responsibility for any errors which may appear in the document, nor does it make a commitment to update the information contained herein.

GS1 and the GS1 logo are registered trademarks of GS1 AISBL.

Table of Contents

1	Introduction	4
1.1	Purpose of this Document	4
1.2	Who Will Use this Document?	4
2	Implementation Procedures	4
2.1	Sending Price Information Using Flex Extension	4

1 Introduction

1.1 Purpose of this Document

The purpose of this document is to describe how to use the Flex Extension to send Price Commentary Information in GDSN. Price Commentary is used to depict addition expressions of a price for example list price with VAT. Note, while the flex extension is technically capable of sending other types of information, it is currently only permitted in the network to use it to send price commentary information.

1.2 Who Will Use this Document?

Any organisation that wishes to send price commentary information in GDSN.

2 Implementation Procedures

2.1 Sending Price Information Using Flex Extension

Simple prices are communicated on a single price type segment. However, a Simple Price in France is composed of three separate prices that must all be communicated together. These are:

- LIST_PRICE
- TRANSACTION_PRICE_WITH_SPECIAL_TAXES
- TRANSACTION_PRICE_WITH_VAT_AND_SPECIAL_TAXES

These multiple prices can be expressed in the GDSN PriceSynchronisationDocument through a looping structure via the "flexExtension", as shown below. This is the current implementation that is in use by the community that has implemented Price Commentary.

The attributes in the extension are flexible attributes similar to the GS1 AVP Structure. These attributes include:

- attrQualOpt – Format is Extension attribute, name Meta data tag is extended AVP name, optional qual meta data tag if value needs qualifier, then the value being passed. For example: `<attrQualOpt name="priceValue">10</attrQualOpt>`
- attr– Format is Extension attribute, name Meta data tag is extended AVP name, then the value being passed. For example: `<attr name="priceTypeCode">LIST_PRICE</attr>`
- attrQual – Format is Extension attribute, name Meta data tag is extended AVP name, mandatory qual meta data tag for the qualifier, then the value being passed. For example: `<attrQual name="priceBasisQuantity" qual="EA">1</attrQual>`

The attributes used in the extension are:

- priceValue: This is the amount or percentage of the price. It uses the attrQualOpt extension attribute as you may want to pass an amount in Euros. You would use the qual="???" meta data tag, using the ISO code for currency.

priceTypeCode: This describes the price you are stating and uses the attr extension attribute. The valid values are:

- LIST_PRICE
- TRANSACTION_PRICE_WITH_SPECIAL_TAXES
- TRANSACTION_PRICE_WITH_VAT_AND_SPECIAL_TAXES
- priceBasisQuantity: This is the basis on which the priceValue is based on. This uses the attrQual extension attribute and the qual meta data tag is required. If you state 10, it is 10 of what? Example priceValue 10 Euro, priceBasisQuantity of 10, is it 10 eaches, cases, etc.
- priceValueQualifier: this states whether the value is a monetary or rate amount. This is no longer applicable but should still be passed using the value MONETARY_AMOUNT
- priceValueType: This states the price value type in the GS1 componentValueTypeCode:
 - PERCENT, a part of a whole expressed in hundredths
 - VALUE, a numerical quantity that is assigned or is determined by calculation or measurement.

2.1.1 XML Example:

```
<price_synchronisation_document:priceSynchronisationDocument>
  <itemDepictionQualifier>
    <catalogueItemReference>
      <dataSource>0838016004888</dataSource>
      <gtin>00123456789012</gtin>
      <targetMarketCountryCode>840</targetMarketCountryCode>
    </catalogueItemReference>
    <itemPriceType>
      <itemPriceTypeSegmentation>
        <entityIdentification>doc.TEST.201604080955.2</entityIdentification>
        <contentOwner>
          <gln>0838016004831</gln>
        </contentOwner>
      </itemPriceTypeSegmentation>
      <distributionMethodCode>UNS</distributionMethodCode>
      <priceActionCode>ADD</priceActionCode>
      <priceBasisQuantity measurementUnitCode="EA">1</priceBasisQuantity>
      <priceTypeApplicationSequence>1</priceTypeApplicationSequence>
      <priceTypeCode> LIST_PRICE </priceTypeCode>
      <priceTypeLastChangedDateTime>2016-04-08T10:14:54</priceTypeLastChangedDateTime>
      <priceValue>10</priceValue>
      <priceValueType>VALUE</priceValueType>
      <invoiceIssuer>1234567891231</invoiceIssuer>
      <isBulkUpdate>true</isBulkUpdate>
      <orderFrom>1234567891231</orderFrom>
      <priceActionReason>PI</priceActionReason>
      <priceTypeDescription>Test_PriceType2</priceTypeDescription>
      <priceValueQualifier>MONETARY_AMOUNT</priceValueQualifier>
      <shipFrom>1234567891231</shipFrom>
      <shipTo>1234567891231</shipTo>
      <suggestedUnitRetailPrice currencyCode="USD">10.0</suggestedUnitRetailPrice>
      <referenceDocumentInformation>
        <referenceDocumentIdentifier>TestRefID</referenceDocumentIdentifier>
      </referenceDocumentInformation>
      <priceTypeEffectiveEndDate>
        <effectiveEndDateContextCode>LAST_ORDER_DATE</effectiveEndDateContextCode>
        <effectiveEndDateTime>2019-04-08T00:00:00Z</effectiveEndDateTime>
      </priceTypeEffectiveEndDate>
      <priceTypeEffectiveStartDate>
        <effectiveStartDateContextCode>FIRST_ORDER_DATE</effectiveStartDateContextCode>
        <effectiveStartDateTime>2015-07-16T00:00:00Z</effectiveStartDateTime>
      </priceTypeEffectiveStartDate>
    </itemPriceType>
  </itemDepictionQualifier>
</price_synchronisation_document:priceSynchronisationDocument>
```

```

<extension>
  <os:flexExtension xmlns:os="http://www.1sync.org" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.1sync.org http://www.preprod.1sync.org/schemas/price/extensions/1.0/FlexExtension.xsd" version="1.0">
    <attrGroupMany name="priceValueInformation">
      <row>
        <attrQualOpt name="priceValue">10</attrQualOpt>
        <attr name="priceTypeCode">LIST_PRICE</attr>
        <attrQual name="priceBasisQuantity" qual="EA">1</attrQual>
        <attr name="priceValueQualifier">MONETARY_AMOUNT</attr>
        <attr name="priceValueType">VALUE</attr>
      </row>
      <row>
        <attrQualOpt name="priceValue">11</attrQualOpt>
        <attr name="priceTypeCode"> TRANSACTION_PRICE_WITH_SPECIAL_TAXES</attr>
        <attrQual name="priceBasisQuantity" qual="EA">1</attrQual>
        <attr name="priceValueQualifier"> MONETARY_AMOUNT </attr>
        <attr name="priceValueType">VALUE</attr>
      </row>
      <row>
        <attrQualOpt name="priceValue">12</attrQualOpt>
        <attr name="priceTypeCode"> TRANSACTION_PRICE_WITH_
VAT_AND_SPECIAL_TAXES</attr>
        <attrQual name="priceBasisQuantity" qual="EA">1</attrQual>
        <attr name="priceValueQualifier"> MONETARY_AMOUNT </attr>
        <attr name="priceValueType">VALUE</attr>
      </row>
    </attrGroupMany>
  </os:flexExtension>
</extension>
</itemPriceType>
</itemDepictionQualifier>

```