



# **PhonoNet Catalog Updates XML-Specification**

**Version 1.0**

## Colofon

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Samengesteld door P.J.Wiegers

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## Document Control

Version	Date	Author	Description
0.1	2003-02-14	P.J.Wiegers	Draft version
1.0	2003-08-29	P.J.Wiegers	Remarks PhonoNet Benelux

Template version 1.0

## Introduction

This XML specification describes the format used for the PhonoNet CatalogUpdates Message. The document contains the structure of the XML format; which child XML elements are defined in the XML element and in which occurrence.

## Message structure

### Legend:

Occurrences = The number of elements of this type that must be present.

- e.g.:
- 1 = Required element; only 1 element may be defined.
  - 0..1 = Optional element; not more than 1 is allowed.
  - 0..n = Optional element; any number of elements is allowed.
  - 1..n = Required element; at least 1, there is no maximum.
  - 2..3 = Required element; at least 2, not more than 3 is allowed.
  - ? = Undetermined

- attribute

Every normal line is an XML-element, except the lines that start with a bullet. Those lines represent an attribute of the element specified above it.

Note: Usage of bold fonts for some elements is purely to improve readability.

<i>Structure</i>	<i>[(Possible values) ] Occurrences</i>
<b>PhonoNet</b>	1
<b>Interchange</b>	1
Sender	1 <i>(PhonoNet identification)</i>
Recipient	1 <i>(PhonoNet identification)</i>
InterchangeNumber	1
InterchangeDate	1 <i>(Format: 'yyyymmdd')</i>
InterchangeTime	1 <i>(Format: 'hhmm')</i>
<b>CatalogUpdates</b>	1
▪ version	1 <b>(1.0)</b>
DocumentNumber	1
<b>Update</b>	1..200000
▪ updAction	1
	<i>Allowed attribute values: 'Add', 'Delete', 'Modify'</i> <i>When updAction = 'Delete' only element Barcode is mandatory</i>
Barcode	1
ArticleNumber	0..5
▪ type	1
	<i>Allowed coded values: 'SA', 'UP', 'ZY', 'ZZ', 'SSP'</i>
MarketingCompany	0..1
	<i>PhonoNet Codelist: Identifies a Marketing Company by a number</i> <i>When updAction = 'Add' or 'Modify' this element is mandatory</i>
...	

Carrier		0..1
	<i>PhonoNet Codelist: Identifies Carrier</i> <i>When updAction = 'Add' or 'Modify' this element is mandatory</i>	
Genre		0..1
	<i>PhonoNet Codelist: Identifies Genre</i> <i>When updAction = 'Add' or 'Modify' this element is mandatory</i>	
Availability		0..1
	<i>Allowed coded values: '01', '02', '03', '07', '91'</i> <i>When updAction = 'Add' or 'Modify' this element is mandatory</i>	
Artist *		0..2
	<i>Only when updAction = 'Add' or 'Modify' and *-element is changed</i>	
Title *		0..1
	<i>Only when updAction = 'Add' or 'Modify' and *-element is changed</i>	
Composer *		0..1
	<i>Only when updAction = 'Add' or 'Modify' and *-element is changed</i>	
Conductor *		0..1
	<i>Only when updAction = 'Add' or 'Modify' and *-element is changed</i>	
Orchestra		0..1
Director		0..1
Instruments		0..1
Label		0..1
Language		0..1
	<i>Allowed coded values: '302', '302', '303', '304', '305', '306', '307', '308', '399'</i>	
LanguageSubtitles		0..1
	<i>Allowed coded values: '302', '302', '303', '304', '305', '306', '307', '308'</i>	
PlayingTime		0..1
Channels		0..1
	<i>Allowed coded values: '101', '102', '103'</i>	
Classification		0..1
	<i>Allowed coded values: '201', '202', '203'</i>	
Quality		0..1
	<i>Allowed coded values: '501', '502', '503', '504'</i>	
VideoFormat		0..1
	<i>Allowed coded values: '601', '602', '603', '604'</i>	
Cover		0..1
ImportCode		0..1
	<i>Allowed coded values: 'I'</i>	
Quantity		0..3
▪ type		1
	<i>Allowed attribute values: 'Carriers', 'Tracks', 'Packaging'</i>	
Date	<i>(Format: 'yyyymmdd')</i>	0..3
▪ type		1
	<i>Allowed attribute values: 'AvailableFrom', 'AvailableUntil', 'Release'</i>	
...		

Price		0..2
▪ type		1
	<i>Allowed attribute values: 'PPD', 'Advice'</i>	
VATcode		0..1
	<i>Allowed coded values: 'A', 'S', 'X'</i>	
Comments		0..1

Note: Track information is not included in this XML-specification.

## XML Element definition

This section describes the XML elements use in the XML :

- Type
- Length (Min..Max)
- Options: Format and Coding

### Interchange

XML-element	Type	Options
Sender	C..17	Identification of sender of message (PhonoNet identification)
Recipient	C..17	Identification of recipient of message (PhonoNet identification)
InterchangeNumber	C..14	Identification number of this interchange
InterchangeDate	C8	Format 'yyyymmdd'
InterchangeTime	C4	Format 'hhmm'

### CatalogUpdates

Name	Type	Options
version	C5	Attribute specifying version of XML-specification: '1.0'
DocumentNumber	C..17	Catalog updates document reference number

### Update

Name	Type	Options
updAction	C..10	Attribute specifying update action, which is processed by the PhonoNet Information Warehouse 'Add' 'Delete' 'Modify'
Barcode	C..15	EAN-code article, which uniquely identifies the article in the PhonoNet Information Warehouse
ArticleNumber	C..15	Additional article numbers Attribute: type = 'SA' = Supplier article number (Suffix/Prefix) 'UP' = UPC number 'ZY' = US/UK article number 'ZZ' = Internal article number 'SSP' = Shadow number Suffix/Prefix
MarketingCompany	N..3	PhonoNet identification of the Marketing Company
Carrier	N..4	PhonoNet Codelist 'Carriers'
Genre	N..3	PhonoNet Codelist 'Genres'
Availability	N..2	'01' = Pre-release '02' = Available '03' = Not available '07' = Temporarily not available '91' = Re-release
Artist	C..35	*-element: 2x Only used when updAction = 'Add' or 'Modify' and *-element is changed
Title	C..35	*-element

		Only used when updAction = 'Add' or 'Modify' and *-element is changed
Composer	C..35	*-element Only used when updAction = 'Add' or 'Modify' and *-element is changed
Conductor	C..35	*-element Only used when updAction = 'Add' or 'Modify' and *-element is changed
Orchestra	C..35	
Director	C..35	
Instruments	C..35	
Label	C..35	
Language	C..5	'301' = German '302' = English '303' = French '304' = Italian '305' = Dutch '306' = Russian '307' = Spanish '308' = Swedish '399' = Other
LanguageSubtitles	C..5	'301' = German '302' = English '303' = French '304' = Italian '305' = Dutch '306' = Russian '307' = Spanish '308' = Swedish
PlayingTime	N..6	In minutes
Channels	C..5	Allowed values: '101' = Mono '102' = Stereo '103' = Quadrophonic
Classification	C..5	Allowed values: '201' = Complete '202' = Highlights '203' = Collect
Quality	C..5	Allowed values: '501' = AAD '502' = ADD '503' = DDD '504' = DAT
VideoFormat	C..5	Allowed values: '601' = 8mm '602' = Betamax '603' = VHS '604' = P2000
Cover	C..8	
ImportCode	C1	Allowed values: 'I' = Import
Quantity	N..4	Attribute: type =



		'Carriers' 'Tracks' 'Packaging'
Date	C8	Format 'yyyymmdd' Attribute: type = 'AvailableFrom' 'AvailableUntil' 'Release'
Price	N..7	Price using decimal `.` Attribute: type = 'PPD' 'Advice'
VATcode	C1	Allowed values: 'A' = Low rate 'S' = High rate 'X' = Null rate
Comments	C..35	Not processed automatically

## XML Examples

### CatalogUpdate: Add

```
<?xml version="1.0" encoding="UTF-8"?>
<PhonoNet>
  <Interchange>
    <Sender>PhonoNet</Sender>
    <Recipient>200043</Recipient>
    <InterchangeNumber>654321</InterchangeNumber>
    <InterchangeDate>20030829</InterchangeDate>
    <InterchangeTime>1615</InterchangeTime>
  </Interchange>
  <CatalogUpdates version="1.0">
    <DocumentNumber>765432</DocumentNumber>
    <Update updAction="Add">
      <BarCode>0731458621225</BarCode>
      <ArticleNumber type="SA">586212207314</ArticleNumber>
      <MarketingCompany>12</MarketingCompany>
      <Carrier>0406</Carrier>
      <Genre>100</Genre>
      <Availability>2</Availability>
      <Artist>4 HERO</Artist>
      <Title>CREATING PATTERNS</Title>
      <Label>INTERNATIONAL MERCURY UK</Label>
      <Quantity type="Carriers">1</Quantity>
      <Date type="Release">20011022</Date>
      <Price type="PPD">12.80</Price>
      <VATcode>H</VATcode>
    </Update>
  </CatalogUpdates>
</PhonoNet>
```

**CatalogUpdate: Modify (\*-element changed)**

```
<?xml version="1.0" encoding="UTF-8"?>
<PhonoNet>
  <Interchange>
    <Sender>PhonoNet</Sender>
    <Recipient>200043</Recipient>
    <InterchangeNumber>654325</InterchangeNumber>
    <InterchangeDate>20030901</InterchangeDate>
    <InterchangeTime>1915</InterchangeTime>
  </Interchange>
  <CatalogUpdates version="1.0">
    <DocumentNumber>765433</DocumentNumber>
    <Update updAction="Modify">
      <BarCode>0731458621225</BarCode>
      <ArticleNumber type="SA">586212207314</ArticleNumber>
      <MarketingCompany>12</MarketingCompany>
      <Carrier>0406</Carrier>
      <Genre>100</Genre>
      <Availability>7</Availability>
      <Artist>4 HEROS</Artist>
      <Title>CREATING PATTERN</Title>
      <Label>INTERNATIONAL MERCURY UK</Label>
      <Quantity type="Carriers">1</Quantity>
      <Date type="Release">20011022</Date>
      <Price type="PPD">12.50</Price>
      <VATcode>H</VATcode>
    </Update>
  </CatalogUpdates>
</PhonoNet>
```

**CatalogUpdate: Modify (\*-element unchanged)**

```
<?xml version="1.0" encoding="UTF-8"?>
<PhonoNet>
  <Interchange>
    <Sender>PhonoNet</Sender>
    <Recipient>200043</Recipient>
    <InterchangeNumber>654326</InterchangeNumber>
    <InterchangeDate>20030902</InterchangeDate>
    <InterchangeTime>1815</InterchangeTime>
  </Interchange>
  <CatalogUpdates version="1.0">
    <DocumentNumber>765434</DocumentNumber>
    <Update updAction="Modify">
      <BarCode>0731458621225</BarCode>
      <ArticleNumber type="SA">586212207314</ArticleNumber>
      <MarketingCompany>12</MarketingCompany>
      <Carrier>0406</Carrier>
      <Genre>100</Genre>
      <Availability>2</Availability>
      <Label>INTERNATIONAL MERCURY UK</Label>
      <Quantity type="Carriers">1</Quantity>
      <Date type="Release">20011022</Date>
      <Price type="PPD">12.80</Price>
      <VATcode>H</VATcode>
    </Update>
  </CatalogUpdates>
</PhonoNet>
```

**CatalogUpdate: Delete**

```
<?xml version="1.0" encoding="UTF-8"?>
<PhonoNet>
  <Interchange>
    <Sender>PhonoNet</Sender>
    <Recipient>200043</Recipient>
    <InterchangeNumber>654323</InterchangeNumber>
    <InterchangeDate>20030903</InterchangeDate>
    <InterchangeTime>1715</InterchangeTime>
  </Interchange>
  <CatalogUpdates version="1.0">
    <DocumentNumber>765435</DocumentNumber>
    <Update updAction="Delete">
      <BarCode>0731458621225</BarCode>
      <ArticleNumber type="SA">586212207314</ArticleNumber>
    </Update>
  </CatalogUpdates>
</PhonoNet>
```