

**EAN.UCC XML
Business Message
Standard For
Payment Terms Extension
Version 1.3.1
November 2003**



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Purpose

The purpose of this Business Message Standard is to provide the necessary information to implement this message as part of the EAN.UCC System. The information contained within this document is a direct result of the work conducted by the EAN.UCC's Pay Business Requirements Group.

The content of this document is actually a collection of material from several different sources to create a single source of information that will provide the necessary basics to understand and implement this EAN.UCC Business Message Standard. The core of this document originates from the Business Requirements Document that is created by the Business Requirements Groups to define the business needs that are to be addressed by this Message. The document then provides the technical details needed to implement the message: a report from the Global Data Dictionary, StyleSheet and Instance File.

This Business Message Standard is meant to be used in conjunction with the EAN.UCC XML Schemas that are available on the EAN and UCC websites. The implementer of these standards needs to be aware of the interrelationship amongst the XML Schemas and the importance of using only interoperable versions.

The reader will notice as they progress through this document that there are several different 'levels' of information that is presented. We begin with the business rationale for the message and then move into the technical details of how and what is needed to exchange this message. This design is deliberate to reach the broadest audience and to meet their needs. Based upon the reader's experience and intentions, specific sections of this document may be more valuable than others. This design and content of this document is based upon the direct feedback from our user community and as such, we are constantly revising and refining how and what we present.

Background

EAN.UCC Business Message Standard:	Payment Terms Extension	
Business Requirement Group:	Pay	
Business Requirement Document:	Payment Terms Extension	
Business Requirements Group Manager:	Tom Heist	Uniform Code Council
Global Data Dictionary:	EAN.UCC Global Data Dictionary v1.3.1	
Schemas:	EAN.UCC Schemas v1.3.1	
Schemas have been tested on Parser(s) and Version(s):	XML Spy Version 4.4, Xerces, XSV	

Business Requirements Group (BRG)

Business Requirements Document for Payment Terms Extension Version 1.2 April 2003

DOCUMENT HISTORY

Document Number	1.2
Document Version:	1.2
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Document Change History

Date of Change	Version	Reason for Change	Summary of Change
July 2001	1.0	Version 1.0 Release	
April 2003	1.2	Harmonization version 1.3.1	

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1.0 Overview of Payment Terms

- The Payment Terms Extension provides the ability for a seller to communicate the payment terms for products and services. Payment terms are negotiated between buyer and seller. Although typically shared just between seller and buyer, payment terms may be shared also with agents for the buyer or seller, including their respective financial institutions.
- This extension may be used in the data alignment process to synchronize payment terms. When payment terms are not established in the data alignment process, or when the payment terms differ from the standard terms, then this extension may be applied to the Core Order or Request for Payment to provide the needed functionality.

2.0 Payment Terms Attribute List

This section refers to the class diagram for the 'Payment Terms' scenario. The colour coding on the diagram is as follows:

Red indicates that the class is the root class for the diagram.

Grey indicates that the class is outside of or external to the root class.

Yellow indicates that the class pertains specifically to the root class.

Green indicates notes.

The 'Payment Terms' classes are pictured and are listed alphabetically. These include:

- Date
- Day Of Month Due
- Discount Payment
- Installment Due
- Net Payment
- Payment Terms
- Payment Terms Event List
- Payment Terms Type List
- Payment Time Period
- Proximo Cut Off Day
- Time Period Due
- Time Period List

2.1 Date

1. Date is an external class that originates in Data Type.
2. The payment time period can be expressed as a specific date. The format is YYYYMMDD.
3. Date has no attribute.

2.2 Day Of Month Due

1. This is a numeric value expressing the day of month the payment becomes due, e.g., the 10th
2. Day of Month Due has one attribute.
 - Value

2.3 Discount Payment

1. Discount Payment class is used to describe the terms for a discounted payment, including an optional text description and type of discount.
2. This class is optional with possible multiple occurrences.
3. There is a mandatory association to Payment Time Period since a time period is required to specify when the payment is due.
4. Discount Payment has two attributes
 - Discount Description
 - Discount Type

2.4 Installment Due

1. Installment Due is used to specify the exact amount of the payment due this payment period. The amount is expressed as a percent. The percent is sent with a decimal point only when needed, e.g., 10.5% is sent as 10.5.
2. This class is optional. If used, a percent of payment due and a time period are required.
3. There is a mandatory association to Payment Time Period since a time period is required to specify when the installment is due.
4. Installment Due has one attribute
 - Percent of Payment Due

2.5 Net Payment

1. Net Payment is optional. If used, a time period is required to specify when the payment is due.
2. There is a mandatory association to Payment Time Period since a time period is required to specify when the net payment is due.
3. Net Payment has no attribute.

2.6 Payment Terms

1. Payment Terms is the root of the class diagram
2. There are mandatory associations to Payment Terms Event List class (to establish the effective date for the terms) and to Payment Terms Type List class (to define specific payment terms).
3. There are optional associations to Proximo Cut Off Day, Net Payment and Installment Due classes based on which Payment Terms Type is selected.

4. There is one optional association to the Discount Payment class with possible multiple occurrences.
5. Payment Terms class has no attribute

2.7 Payment Terms Event List

1. Payment Terms Event List relates payment terms to the date of a specific event.
2. Payment Terms Event List is mandatory and is required to establish the effective date for the terms.
3. Payment Terms Event List has the following attributes
 - ANTICIPATED_DELIVERY_DATE
 - DATE_INVOICE_RECEIVED
 - DATE_OF_DELIVERY_TO_SITE
 - DATE_OF_INVOICE
 - DATE_OF_SHIPMENT_AS_EVIDENCED_BY_TRANSPORT_DOCUMENTS
 - EFFECTIVE_DATE
 - INVOICE_TRANSMISSION_DATE
 - RECEIPT_OF_GOODS

2.8 Payment Terms Type List

1. Payment Terms Type is required to define specific payment terms.
2. Payment Terms Type List is mandatory
3. Payment Terms Type List has the following attributes
 - BASIC_(NET)
 - BASIC_DISCOUNT_OFFERED
 - DEFERRED
 - DISCOUNT
 - DISCOUNT_AFTER_DEDUCTING_FREIGHT
 - DISCOUNT_NOT_APPLICABLE
 - ELECTIVE
 - END_OF_MONTH
 - EXTENDED
 - FIXED_DATE
 - INSTANT
 - MIXED
 - PAYMENT_BY_INSTALLMENT
 - PREVIOUSLY_AGREED_UPON
 - PROXIMO
 - VALUTA

2.9 Payment Time Period

1. The Payment Time Period in which a payment is due may be specified in one of three ways -a day of the month, a time period, in which a number (the time period) is specified in terms of days, weeks, or months or a specific date.

1. There is a mandatory association to one of the three classes Day of Month Due, Time Period Due or Date.
2. Payment Time Period has no attribute.

2.10 Proximo Cut Off Day

1. Proximo Cut Off Day class is used in conjunction with the payment term 'Proximo'. It contains a numeric value for the day of the month.
2. This class is mandatory only when payment term type is Proximo.
3. Proximo Cut Off Day has one attribute.
 - Value

2.11 Time Period Due

1. The payment time period in which the payment becomes due is expressed as a numeric value.
2. There is a mandatory association to Time Period List for a choice of time period type to qualify the time period due.
3. Time Period Due has one attribute.
 - Value

2.12 Time Period List

1. Time Period List is required to qualify the time period for the payment terms.
2. Time Period List for a Time Period Due is mandatory.
3. Time Period List class has the following attributes
 - DAYS
 - MONTHS
 - WEEKS

3.0 Global Data Dictionary Report

DayOfMonthDue

value - The day of the month in which the payment becomes due. value is mandatory.

DiscountPayment

discountDescription – A text field describing the discount. discountDescription is optional.

discountType – A field describing the type of discount. discountType is optional.

InstallmentDue

percentOfPaymentDue: specifies the exact amount of the payment due this payment period. The amount is expressed as a percent. The percent is sent with a decimal point only when needed, e.g., 10.5% is sent as 10.5.

NetPayment

PaymentTerms

PaymentTermsEventList

ANTICIPATED_DELIVERY_DATE - Payment term is the anticipated delivery date.

DATE_INVOICE_RECEIVED - Payment term is the date of invoice received.

DATE_OF_DELIVERY_TO_SITE - Payment term is the date the goods are delivered at agreed place of destination.

DATE_OF_INVOICE - Payment term is the date of invoice.

DATE_OF_SHIPMENT_AS_EVIDENCED_BY_TRANSPORT_DOCUMENTS - Payment term is the date of shipment as evidenced by the transport documents.

EFFECTIVE_DATE - Payment term is the effective date.

INVOICE_TRANSMISSION_DATE - Payment term is the transmission date.

RECEIPT_OF_GOODS – Payment term is the date when the buyer receives goods.

PaymentTermsTypeList

BASIC_(NET) - Payment conditions normally applied.

BASIC_DISCOUNT_OFFERED - Payment term is basic discount offered.

DEFERRED - Payment term is deferred.

DISCOUNT - Payment term is discount.

DISCOUNT_AFTER_DEDUCTING_FREIGHT - Payment term is discount after deducting freight.

DISCOUNT_NOT_APPLICABLE - Payment term is discount not applicable.

ELECTIVE - Payment term is to be chosen by buyer (from options separately advised).

END_OF_MONTH - Payment term is end of month.

EXTENDED - Payment term is extended.

FIXED_DATE - Payment term is fixed date.

INSTANT - Payment term is due on receipt of invoice.

MIXED - Different payment terms negotiated under a documentary credit.

PAYMENT_BY_INSTALLMENT - Payment term is payment by installment.

PREVIOUSLY_AGREED_UPON - Payment term is previously agreed upon.

PROXIMO - Payment term is in the next month after present.

VALUTA - Value date, which is a prolongation of the terms for payment.

PaymentTimePeriod

ProximoCutOffDay

value: The day of the month payment becomes due. value is mandatory.

TimePeriodDue

value: Numeric value describing the time period in which the payment comes due. value is mandatory.

TimePeriodList

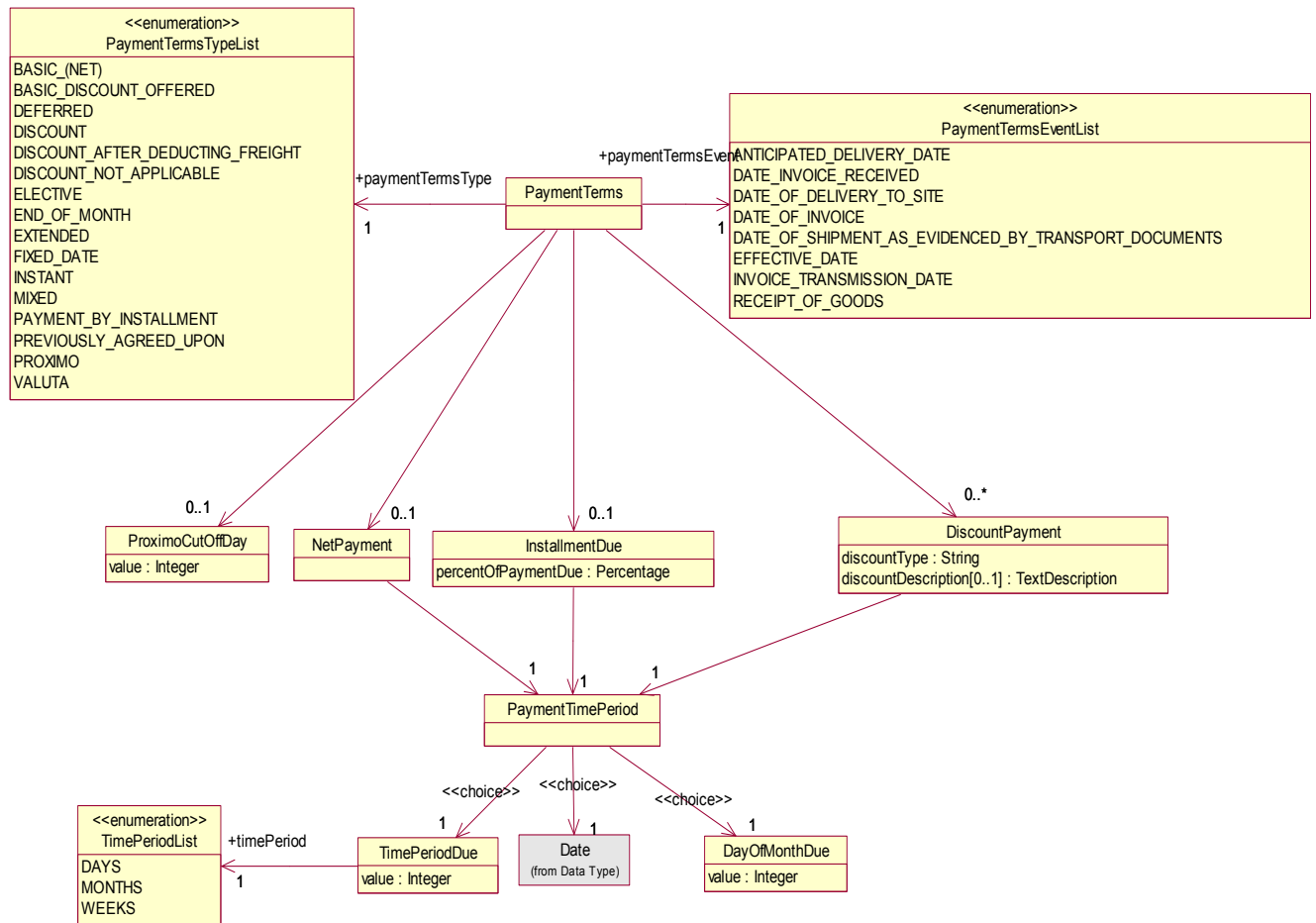
DAYS – The time period is days.

MONTHS – The time period is months.

WEEKS – The time period is weeks.

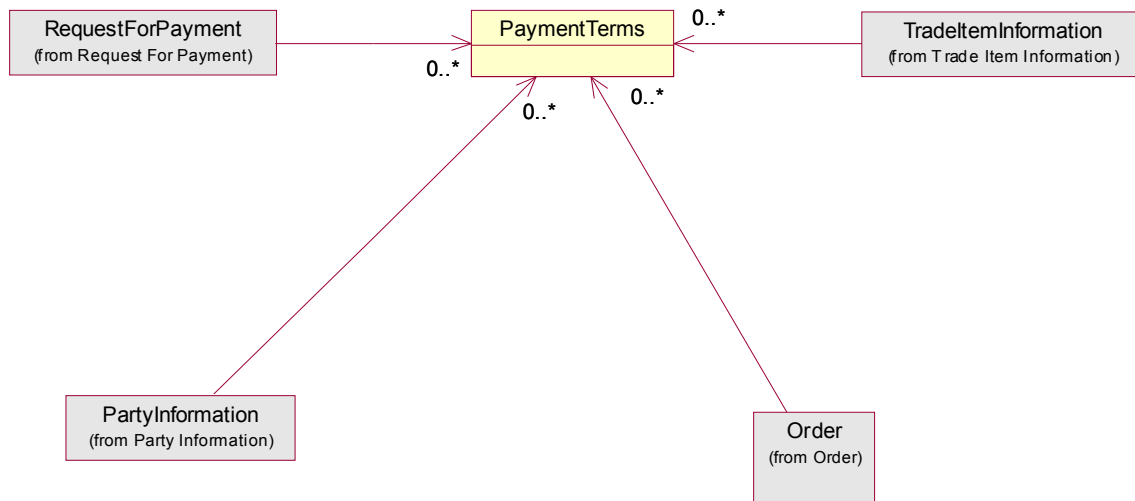
Appendix 1: Class Diagram For Payment Terms

Business Process: ORDER: Terms: Payment Terms



Appendix 2: Class Diagram For Payment Terms Relationship

Business Process: ORDER: Terms: Payment Terms Relationship



Style Sheet

Description

A Style Sheet has not been provided with this Business Message Standard due to the fact that the Payment Terms Extension is not a separate message, but is in fact called by other messages.

Global Data Dictionary

Payment Terms Extension Class Data Descriptions v1.3.1

Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
Date						CM	
DayOf MonthDue						CM	
			value	Integer		M	
DiscountPayment						O	
			discountType	String		M	
			discountDescription	TextDescription		O	
InstallmentDue						O	
			percentOfPaymentDue	Percentage			
NetPayment						O	
Order						O	
PartyInformation						O	
PaymentTerms						M	
PaymentTermsEventList	paymentTermsEvent					M	
		ANTICIPATED_DELIVERY_DATE		Anticipated delivery date.			
		DATE_INVOICE_RECEIVED		Date invoice received			
		DATE_OF_DELIVERY_TO_SITE		Date of delivery to site.			
		DATE_OF_INVOICE		Date of invoice.			
		DATE_OF_SHIPMENT_AS_EVIDENCED_BY_TRANSPORT_DOCUMENTS		Date of shipment as evidence by transport documents.			
		EFFECTIVE_DATE		Effective date.			
		INVOICE_TRANSMISSION_DATE		Invoice transmission date.			
		RECEIPT_OF_GOODS		Receipt of goods.			
PaymentTermsTypeList	paymentTermsType					M	
		BASIC_NET		Basic net			

Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
		BASIC_DISCOUNT_OFFERED		Basic discount offered.			
		DEFERRED		Deferred			
		DISCOUNT		Discount			
		DISCOUNT_AFTER_DEDUCTING_FREIGHT		Discount after deducting freight.			
		DISCOUNT_NOT_APPLICABLE		Discount not applicable.			
		ELECTIVE		Elective			
		END_OF_MONTH		End of month.			
		EXTENDED		Extended			
		FIXED_DATE		Fixed date.			
		INSTANT		Instant			
		MIXED		Mixed			
		PAYMENT_BY_INSTALLMENT		Payment by installment.			
		PREVIOUSLY_AGREED_UPON		Previously agreed upon.			
		PROXIMO		Proximo			
		VALUTA		Valuta			
PaymentTimePeriod						M	
ProximoCutOffDay						O	
			value	Integer		M	
RequestForPayment				This class originates from Request for Payment and is mandatory. The Simple Invoice class inherits the association and attributes of the Request For Payment. This class contains no attributes.		O	
TimePeriodDue						CM	
			value	Integer		M	
TimePeriodList	timePeriod					M	
		DAYS		Days			
		MONTHS		Months			
		WEEKS		Weeks			
TradeItemInformation						O	

Instance File

Description

An Instance File has not been provided with this Business Message Standard due to the fact that the Payment Terms Extension is not a separate message, but is in fact called by other messages.