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# TecCom Trader Guide for Synchronous TXML Express Order Process

Document version 1.1

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Alle verwendeten Hard- und Softwarebezeichnungen sind Handelsnamen und/oder Warenzeichen der jeweiligen Hersteller.

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# 1 Introduction

This document describes how a trader can exchange TXML express orders with suppliers that are connected to the TecCom platform using a TecConnect solution. In this document, these suppliers are called TC1 suppliers and the platform is called TC1 platform.

TC1 platform supports two types of order processes: express order and stock order. The main difference between these two order types, is that for an express order the trader is able to receive an immediate response with information on availability, prices etc. For stock orders, the response documents are sent back usually in a batch process, the starting time of which is dependent on the suppliers' TecCom implementations.

TecCom express order process is synchronous, meaning that the trader receives an order response back within one single request – response cycle.

The synchronous process can only be accessed using the Tec Open Messaging framework (TOM). The trader uses a .NET or Java-based class library to create a TOM compliant request, that is sent as a http(s) request to TecCom. The order response is included in the http(s) response.

Chapter 2 of this document describes the structure and contents of TXML 4.1 order and order response messages. Express order and stock order are both based on the same message specification.

TXML 4.1 specifications for order and order response contain more features that the current TC1 platform can support. Chapter 3 of this document specifies the limitations and business rules of the TC1 platform with respect to TXML 4.1 order and order response.

Nevertheless, there are already a few suppliers who are already able to support some TXML 4.1 features, which are not available on the TC1 platform. These supplier interfaces are out of the scope of this document. TecCom will provide up to date information when requested.

When sending an express order document to TecCom, the following two requirements must be met: 1) The express order process must be accessed using an appropriate function call in a TOM request, 2) The value of attribute "DispatchMode" in element "OrderProcessing" must be one of the following: Express, Normal, PickUp, OverNight, SeaFreight, AirFreight or COD. (Never use value "StockOrder" in the express order process!)

Please refer to separate documentation about the TOM framework. This documentation provides detailed information on creating a TOM request with a SOAP envelope and on sending it to the TOM web service.

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## 2 TXML 4.1 Order and Order Response

### 2.1 XML-Diagram

This chapter uses a notation that is based on DTDs to describe the **content structure** of the transaction documents. Initially, XML elements and XML attributes are not differentiated.

The description of the content structure focuses on the following issues instead:

- What content elements occur in a transaction document?
- What are the hierarchical relationships between content elements in a transaction document like?
- How often are individual content elements allowed to occur?

The notation for the description of the structures of the transaction documents uses the following symbols:

<b>IE</b>	<b>IE_1</b> <b>IE_2</b> IE_3
<b>IE_1</b>	IE_11 <u>IE_12</u>
<b>IE_2</b>	IE_21   IE_22

Explanation:

The *content element* IE consists of the elements IE\_1, IE\_2 and IE\_3. The content element IE\_2 has alternative structures. It consists either of IE\_21 or of IE\_22.

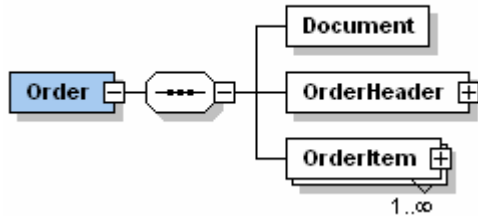
IE\_3, IE\_11, IE\_12, IE\_21 and IE\_22 are atomic elements, i.e. they do not have an internal structure. *Atomic elements* are shown in regular font whereas *compound elements* are shown in bold font. Atomic elements with a specified *permissible value set* are underscored (here: IE\_12).

The **frequency** with which a content element must occur is described as follows:

IE	The element must occur precisely once.
IE?	The element can be omitted.
IE*	The element can be omitted or repeated as often as required.
IE+	The element must occur at least once, and can be repeated as often as required.

## 2.2 Document description TXML Order

The general structure of an order is illustrated below. An order consist of a document description (Document), a header (OrderHeader) and at least of one order item (OrderItem).



The structure of a transaction document is specified in the following table. The description follows the guidelines from chapter 2.1

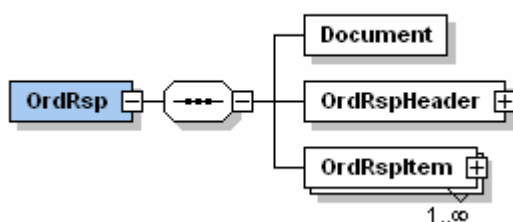
Complete document			
<b>Order</b>	<b>Document</b> <b>OrderHeader</b> <b>OrderItem+</b>	DocumentType OrderHeaderType OrderItemType	Control of type and format Header information of the order Line item information of the order
Header information			
<b>OrderHeaderType</b>	<u>OrderType</u>	NMTOKEN	Values: RequestForOffer (Inquiry) Order (Express / StockOrder is set in field DispatchMode)
	<u>OrderFunction?</u> <b>OrderIssueDate</b> BuyerOrderNumber? <b>OfferReference*</b> <b>CustomerInfo?</b> <b>SellerParty</b> <b>BuyerParty</b> <b>DeliveryParty?</b> <b>InvoiceParty?</b> <b>Requested DeliveryDate?</b> Currency OrderProcessing  <b>FreeParam*</b> <b>FreeText*</b>	NMTOKEN DateType string[1..20] OfferReferenceType CustomerInfoType PartyType1 PartyType1 PartyType2 PartyType2 DateType CurrencyType OrderProcessing Type  FreeParam Type FreeTextType	Order function Values: Original (Default), Duplicate Issue date of the order Order number created by buyer Reference to an offer Information about the person in charge Seller party Buyer party Delivery party Invoice party Requested delivery Date Currency Instructions given by the buyer on how to process the order on seller side  Free parameter Free text

<b>OfferReference Type</b>	Qualifer  Number Date	NMTOKEN  string[1..10] DType	Reference to an offer Values: QuotationNumber, PromotionalDealNumber, ContractNumber, ProductInquiryNumber  Number of an earlier offer / request
<b>CustomerInfoType</b>	Name Telephone?	string[1..30] string[1..25]	Name of the person in charge  Telephone number of the person in charge
<b>OrderProcessing Type</b>	<u>DispatchMode</u>  <u>CompleteDelivery?</u>  <u>BackOrder?</u>	DispatchModeType  YesNoType YesNoType	Dispatch mode  Values: Normal, Express, OverNight, PickUp, COD, StockOrder, SeaFreight, AirFreight, SaturDayTillNine, TillNine, TillEighteen, SaturdayTillTwelve, TillTwelve, ParcelPost, PrivateParcelService, Mail, CourierExpress  Complete delivery (Values: Yes/No) Default: No  Back log allowed (Values: Yes/No) Default No
<b>FreeParamType</b>	<u>ParamId</u>  Parameter	NMTOKEN  string[1..20]	Parameter qualifier:  Values: PromotionCode, ArrivalNotice, Incoterms1, Incoterms2, StorageLocation, CarrierIdILN, Shipper, FreeText, ExpressDivCond  Value of the parameter
<b>Line item data</b>			
<b>OrderItemType</b>	PositionNumber <b>RequestedQuantity</b> <b>ProductId</b> <b>ProductDescription</b>  <b>Requested DeliveryDate?</b> <b>ProductPrice*</b>  <b>ItemProcessing</b>  <b>FreeParam*</b> <b>FreeText*</b>	nonNegativeInteger QuantityType ProductIdType ProductDescription Type DateType ProductPriceType ItemProcessing Type FreeParamType FreeTextType	Position number Requested quantity Product identification Product description  Requested delivery date  Product price assumption of the customer  Instructions given by the buyer on how to process the order on seller side  Free parameter Free text
<b>ItemProcessing Type</b>	<u>PartialDelivery</u>	YesNoType	Partial delivery allowed  Values: Yes / No

	<u>AlternativePart</u>	YesNoType	Default: Yes Alternative part allowed Values: Yes / No Default: Yes
	<u>BackOrder</u>	YesNoType	Back log allowed Values: Yes / No Default: No
<b>FreeParamType</b>	<u>ParamId</u>	NMTOKEN	Parameter qualifier: Values: PromotionCode, ArrivalNotice, Incoterms1, Incoterms2, StorageLocation, CarrierIdILN, Shipper, FreeText, ExpressDivCond

## 2.3 Document description TXML Order Response

The general structure of an order response (OrdRsp) is displayed in the following illustration. An Order consists of a document description (Document), a header (OrdRspHeader) and at least of one order response item (OrdRspItem).



The Structure of a transaction document is specified in the following table. The description follows the guidelines from chapter 2.1

Complete document			
<b>OrdRsp</b>	<b>Document</b>	DocumentType	Control of type and format
	<b>OrdRspHeader</b>	OrdRspHeaderType	Header information of the order response
	<b>OrdRspItem+</b>	OrdRspItem+Type	Line item information of the order response
Header information			
<b>OrdRspHeaderType</b>	OrdRspId	String	Document number
	<b>OrderRspIssueDate</b>	DateType	Issue date of the order response
	<b>OrderRef</b>	OrderRefType	Reference to an order
	MessageStatus	MessageStatusType	Message status
	<b>SellerParty</b>	PartyType1	Seller party
	<b>BuyerParty</b>	PartyType1	Buyer party

	<b>DeliveryParty?</b>	PartyType2	Delivery party
	<b>InvoiceParty?</b>	PartyType2	Invoice party
	Currency	CurrencyType	Currency applied to the order response
	<b>Response*</b>	ResponseType	Response
	<b>FreeText*</b>	FreeTextType	Free text
<b>MessageStatusType</b>	<u>Value</u>	NMTOKEN	Values: Confirmed, Rejected, Modified
<b>Line item data</b>			
<b>OrdRsplmType</b>	PositionNumber	nonNegativeInteger	Position number created by supplier
	<b>RequestedQuantity</b>	QuantityType	Requested quantity
	<b>ConfirmedQuantity</b>	QuantityType	Confirmed quantity
	<b>ProductId</b>	ProductIdType	Product identification
	<b>ProductDescription</b>	ProductDescriptionType	Product description
	<b>RequestedDeliveryDate</b>	DateType	Requested delivery date
	<b>ProductPrice?</b>	ProductPriceType	Product price
	<b>DeliveryInfo*</b>	DeliveryInfoType	Information on delivery schedule
	<b>Alternative*</b>	AlternativeType	Information on alternative product
	<b>ItemInstruction</b>	ItemInstructionType	Instructions with respect to the position (Status)
	<b>QtyVariance*</b>	QtyVarianceType	Quantity variance
	<b>OrderItemRef?</b>	OrderItemRefType	Reference to an order item
	<b>Response*</b>	ResponseType	Response
	<b>FreeText*</b>	FreeTextType	Free text
<b>DeliveryInfoType</b>	<b>Quantity</b>	QType	Quantity
	<b>Date?</b>	DType	Date
<b>AlternativeType</b>	<b>ProductId</b>	ProductIdType	Product identification
	<b>ProductDescription</b>	ProductDescriptionType	Product description
	<b>ProductPrice?</b>	ProductPriceType	Product price
<b>ItemInstructionType</b>	<u>Value</u>	NMTOKEN	Values: ConfirmedWithChanges, ConfirmedWithoutChanges, NotProcessed, Rejected

## 2.4 Overlapping Types

Overlapping Elements			
<b>DocumentType</b>	<u>Type</u>	NMTOKEN	Document name Values: Order, OrdRsp ...
	<u>Version</u>	string	Document version
	<u>ControllingInstance</u>	string	Controlling instance having control over the document format Fixed Value: TecCom
<b>DType</b>	<u>Qualifier?</u>	NMTOKEN	Type of date Values: At, Before, After Default: At
	<u>Format?</u>	NMTOKEN  string	Date format Values: YYYYMMDD, YYYYMMDDHHMM  Date
<b>DateType</b>	<b>Date</b>	Dtype	
<b>QType</b>	<u>UoM</u>	string[3..3]	Unit of quantity according to UN/ECE 20
		double	Quantity
<b>QuantityType</b>	<b>Quantity</b>	QType	
<b>CurrencyType</b>		string[3..3]	Currency according to ISO 4217
<b>ProductIdType</b>	MakerCode?	string[1..6]	Abbreviation of the manufacturer
	ProductNumber?	string[1..30]	Product identification of the manufacturer
	Ean?	string[1..14]	EAN product identification
	BuyerProductNumber?	string[1..30]	Product identification of the buyer
<b>ProductDescription Type</b>	<u>Language</u>	string[2..2]	Language of description
	ProductName+	string[1..40]	Product description
<b>PartyType1</b>	<b>PartyNumber</b>	PartyNumberType	Party identification
	<b>Address?</b>	AddressType	Address of the partner
<b>PartyType2</b>	<b>PartyNumber?</b>	PartyNumberType	Party identification
	<b>Address?</b>	AddressType	Address of the partner
<b>PartyNumberType</b>	<u>Qualifier</u>	NMTOKEN  string[1..13]	Type of party identification Values: ILN, SupplierNumber, BuyerNumber, NAT, VAT
<b>AddressType</b>	Name1	string[1..35]	Name 1
	Name2?	string[1..35]	Name 2
	Street1	string[1..35]	Street 1
	Street2?	string[1..35]	Street 2
	PostalCode	string[1..10]	Postal code

	City CountryCode CountryName?	string[1..35] string[2..2] string	City Country code (ISO 3166) Country name
<b>ProductPriceType</b>	<u>PriceCategory?</u>  Price DiscountGroup? <b>PriceUnit?</b> <b>Currency?</b>	NMTOKEN  Decimal (15,4) string[1..6] QuantityType CurrencyType	Product price category Values: NetPrice, ListPrice, SpecialOffer, NoPrice Price Discount group Basis of unit price Currency
<b>OrderRefType</b>	SellerOrderNumber BuyerOrderNumber? Date	string[1..10] string[1..20] DType	Order number created by seller Order number created by buyer Issue date of the order
<b>OrderItemRefType</b>	SellerOrderItemRef?  BuyerOrderItemRef?	nonNegativeInteger  nonNegativeInteger	Reference to an order item created by seller  Reference to an order item created by buyer
<b>QtyVarianceType</b>	<b>Quantity</b> DeviationReason? ModificationReason? QtyVarComment?	QType string string string	Quantity deviation Deviation reason Modification reason Comment
<b>FreeTextType</b>	<i>Caption</i>	string string	Caption Text
<b>ResponseType</b>	<u>ResponseClass</u>  <i>Type</i>  <i>Code</i>  Text Parameter?	NMTOKEN  nonNegativeInteger  nonNegativeInteger  String [1..256] string	Response class Values: Information, Warning, Error  Code Text Parameter

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## 3 Implementation of TXML 4.1 messages

### 3.1 Introduction

As already stated in Chapter 1 Introduction, TC1 platform is more limited in terms of data content than the TXML 4.1 messages. The limitations of TC1 platform with respect to the TXML 4.1 order and order response are described in this chapter.

Table 1 describes the maximum data contents of a TXML express order message that can be transported via the TC1 platform to the supplier. The column “TecCom rules” describes the requirements and limitations that TC1 platform imposes on incoming TXML express orders. If these requirements are not met, the order can not be processed properly and an order response is returned with errors. In some cases TXML multiplicity rules and TC1 platform rules can differ, including e.g. CustomerInfo.

Table 2 describes the maximum data content of a synchronous TXML order response from TC1 platform. It lists the features of the TXML order response message supported by TC1 platform. There are several TXML order response elements that can not be delivered from TC1, including e.g. EAN, QtyVariance

The uses of different order response status codes are described after the tables.

The first columns of both tables depict the maximum width of an order message, which can be processed by TC1 platform.

The second column “TXML Order” breaks the message into its constituents: elements and attributes. Attributes start with an “@” character.

The third column “TXML multiplicity” lists the syntactical rules for elements and attributes in TXML.

The following rules apply for elements:

- 1 – The element can be used only once
- 0..1 – The element is optional, but it can be used only once
- 0..n – The element is optional and it can be used several times
- 1..n – The element is mandatory and it can be used several times

The following rules apply for attributes:

- R – The use of the attribute is required, if the element, within which the attribute is used, exists.
- O – The use of the attribute is optional, if the element, within which the attribute is used, exists.
- F – Fixed, the value of the attribute is always the same.

The fourth column “TecCom rules” describes the requirements and limitations of the TC1 platform with respect to the TXML express order message. **Please notice, that in a few cases TecCom platform rules may differ from the rules set by TXML message descriptions.**

The last column defines the maximum length of different data contents on a TXML express order message. For numerical data, the maximum amount of digits is given.

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## 3.2 Important concepts on TC1 platform

**CompleteDelivery** (on header level) = YES = The orderer wants to receive the combination of ordered products within one delivery.

For TXML express orders, CompleteDelivery is set to "NO" as a default, implying that it is not mandatory to deliver all positions of one order within one delivery.

**AlternativePart** (on position level) = YES = The supplier is allowed to deliver an alternative part.

For TXML express orders, AlternativePart is set to "YES" as a default.

**PartialDelivery** (on position level) = YES = The supplier is allowed to deliver the requested position partially. Back order is not expected by the orderer.

For TXML express orders, PartialDelivery is set to "YES" as a default.

**BackOrder** (on header level) = YES = The orderer allows deliveries, where a part of the ordered amount per one position is delivered later than the requested date. BackOrder is applicable only with stock orders. For TXML express orders, BackOrder is set to "NO" as a default both on header and position level

**TABLE1: TXML express order document**

MAXIMUM DATA CONTENTS OF A TXML EXPRESS ORDER TO TC1 PLATFORM	ELEMENTS AND ATTRIBUTES	TXML MULTIPLICITY	TECCOM RULES	MAX LENGTH
<Order xmlns="teccom.de/TecCom.OpenMessaging.Order.TXML.V4_1.Order.TxmlOrder">	Order	1		
<Document Version="4.1" ControllingInstance="TecCom" Type="Order" />	Document	1		
	@Version	R	Always use "4.1"	
	@ControllingInstance	R	Always use "TecCom"	
	@Type	R	Always use "Order"	
<OrderHeader OrderType="Order" OrderFunction="Original">	OrderHeader	1		
	@OrderType	R	Always use "Order"	
	@OrderFunction	O	Always use "Original". TC1 does not support duplicate Orders.	
<OrderIssueDate>	OrderIssueDate	1		
<Date Format="YYYYMMDD" Qualifier="At">20060316</Date>	Date	1		
	@Format	O	Always use "YYYYMMDD"	
	@Qualifier	O	Always use "At"	
</OrderIssueDate>				
<BuyerOrderNumber>450157</BuyerOrderNumber>	BuyerOrderNumber	0..1		20
<OfferReference Qualifier="QuotationNumber or PromotionalDealNumber">	OfferReference	0..n		
	@Qualifier	R	Use "QuotationNumber" or "PromotionalDealNumber". "ContractNumber" and "ProductInquiryNumber" are not supported by TC1.	QuoNr=10 PrDNr=20
<Number>89812234</Number>	Number	1		

<Date Format="YYYYMMDD" Qualifier="At">20060312</Date>	Date	1		8
	@Format	O	Always use "YYYYMMDD"	
	@Qualifier	O	Always use "At"	
</OfferReference>				
<CustomerInfo Name="Teemu Jokimäki"/>	CustomerInfo	0..1	Must be used for TC1 even though not mandatory for TXML.	
	@Name	R	Name must be provided for TC1. If no name is given, a default value "TXMLBuyer" is transported to TC1 supplier.	30
	@Telephone	O		
<SellerParty>	SellerParty	1		
<PartyNumber Qualifier="SupplierNumber">31221</PartyNumber>	PartyNumber	1		13
	@Qualifier	R	Qualifiers are not recognized by TC1. You can use any of the allowed values ILN, SupplierNumber, BuyerNumber etc.	
	<b>Address</b>	<b>0..1</b>	Address data is not transported to the TC1 supplier.	
</SellerParty>				
<BuyerParty>	BuyerParty	1		
<PartyNumber Qualifier="SupplierNumber">41511</PartyNumber>	PartyNumber	1		13
	@Qualifier	R	Qualifiers are not recognized by TC1. You can use any of the allowed values ILN, SupplierNumber, BuyerNumber etc.	
	<b>Address</b>	<b>0..1</b>	Address data is not transported to the TC1 supplier.	
</BuyerParty>				
<DeliveryParty>	DeliveryParty	0..1		

<PartyNumber Qualifier="SupplierNumber">54281</PartyNumber>	PartyNumber	0..1		13
	@Qualifier	R	Qualifiers are not recognized by TC1. You can use any of the allowed values ILN, SupplierNumber, BuyerNumber etc.	
<Address>	Address	0..1	Address data for delivery party is transported to the TC1 supplier.	
<Name1>Testcompany</Name1>	Name1	1		35
	<b>Name2</b>	0..1	Not supported by TC1	
<Street1>Test Street 2</Street1>	Street1	1		35
	<b>Street2</b>	0..1	Not supported by TC1	
<PostalCode>84212</PostalCode>	PostalCode	1		10
<City>Testcity</City>	City	1		35
<CountryCode>DE</CountryCode>	CountryCode	1		2
	<b>CountryName</b>	0..1	Not supported by TC1	
</Address>				
</DeliveryParty>				
	<b>InvoiceParty</b>	0..1	InvoiceParty is not supported by TC1	
<RequestedDeliveryDate>	RequestedDeliveryDate	0..1		
<Date Format="YYYYMMDD" Qualifier="At">20060317</Date>	Date	1		8
	@Format	O	Always use "YYYYMMDD"	
	@Qualifier	O	Always use "At"	
</RequestedDeliveryDate>				
<Currency>EUR</Currency>	Currency	1		3
<OrderProcessing CompleteDelivery="No" BackOrder="No" DispatchMode="Express" />	OrderProcessing	1		
	@CompleteDelivery	O	Using this option does not have an influence on the supplier's side.	

	@BackOrder	O	Using this option does not have an influence on the supplier's side.	
	@DispatchMode	R	When sending an express order to a TC1 supplier, only the following dispatch mode values are allowed: Express, Normal, OverNight, PickUp, SeaFreight, AirFreight, COD. <b>NEVER use value "StockOrder" in the express order process!</b>	
<FreeParam ParamId="PromotionCode">	FreeParam	0..n	Several kinds of free parameters can be transported. It depends on the supplier, if these are processed or not. See TXML 4.1 specification.	
	@ParamId="..."	R		
<Parameter>AXA</Parameter>	Parameter	1		20
</FreeParam>				
	<b>FreeText</b>	<b>0..n</b>	Not supported by TC1	
</OrderHeader>				
<OrderItem>	OrderItem	1..n		
<PositionNumber>1</PositionNumber>	PositionNumber	1		
<RequestedQuantity>	RequestedQuantity	1		
<Quantity UoM="PCE">3</Quantity>	Quantity	1	Use a decimal point and a max. of 6 decimals.	
	@UoM	O	Use according to UN/ECE 20	3
</RequestedQuantity>				

<ProductId>	ProductId	1	At least one ProductId must be available for each line in TC1. It can be any of the three possible ones: ProductNumber, Ean or BuyerProductNumber.	
<MakerCode>XYZ</MakerCode>	MakerCode	0..1	This is a mandatory field for TC1. Please use an asterisk (*), if you can not provide any other maker code.	6
<ProductNumber>33112-1</ProductNumber>	ProductNumber	0..1	Please verify from your supplier, which product identification type should be used for ordering.	30
<Ean>9834711112</Ean>	Ean	0..1		14
<BuyerProductNumber>831133</BuyerProductNumber>	BuyerProductNumber	0..1		30
</ProductId>				
<ProductDescription>	ProductDescription	1		
<ProductName Language="EN">Test Product XYZ</ProductName>	ProductName	1..n		40
	@language	O	This information is not transported to the TC1 supplier. Default language is always English on supplier's side.	2
</ProductDescription>				
<RequestedDeliveryDate>		0..1		
<Date Format="YYYYMMDD" Qualifier="At">20060317</Date>	Date	1		8
	@Format	O	Always use "YYYYMMDD"	
	@Qualifier	O	Always use "At"	
</RequestedDeliveryDate>				
	ProductPrice	0..n	Use of ProductPrice on order is not recommended.	
<ItemProcessing AlternativePart="Yes" BackOrder="No" PartialDelivery="Yes" />	ItemProcessing	1		

	@AlternativePart=Yes	O	Using this option does not have an influence on the supplier's side.	
	@BackOrder=No	O	Using this option does not have an influence on the supplier's side.	
	@PartialDelivery=Yes	O		
<FreeParam ParamId="PromotionCode or ArrivalNotice or Incoterms1 or Incoterms2 or StorageLocation or CarrierIdILN or Spedition or FreeText or ExpressDivCond">	FreeParam	0..n	Several kinds of free parameters can be transmitted. It depends on the supplier, if these are processed or not.	
	@ParamId=...	R		
<Parameter>AXA</Parameter>	Parameter	1		20
</FreeParam>				
<FreeText Caption="SpecialText">Anykind of infotext</FreeText>	FreeText	0..n	Not supported by TC1	
	@Caption	R		
</OrderItem>				
</Order>				

**TABLE2: TXML order response document**

MAXIMUM DATA CONTENTS OF A TXML ORDER RESPONSE FROM TC1 PLATFORM AS A RESPONSE TO A SYNCHRONOUS TXML EXPRESS ORDER	TXML ORDER	TXML MULTIPLICITY	TECCOM RULES	MAX LENGTH
<OrdRsp xmlns="teccom.de/TecCom.OpenMessaging.Order.TXML.V4_1.Order.TxmlOrdRsp">	OrdRsp	1	Namespace definition is always the same.	
<Document Type="OrdRsp" Version="4.1" ControllingInstance="TecCom" />	Document	1		
	@Type	R	Value is always "OrdRsp"	
	@Version	R	Value is always "4.1"	
	@ControllingInstance	R	Value is always "TecCom"	
<OrdRspHeader>	OrdRspHeader	1		
<OrdRspId>0626633</OrdRspId>	OrdRspId	1	Is always the same as SellerOrderNumber. The element will always be available, but some suppliers do not provide a value from their system, in this case TecCom will add its own transaction id in this field.	10
<OrdRspIssueDate>	OrdRspIssueDate	1		
<Date>20060320</Date>	Date	1		8
	@Qualifier	O	Qualifier is not returned.	
	@Format	O	Format is not retruned. However, the date is always given as YYYYMMDD.	
</OrdRspIssueDate>				
<OrderRef>	OrderRef	1		
<SellerOrderNumber>0626633</SellerOrderNumber>	SellerOrderNumber	1	Is always the same as OrdRspId. The element will always be available, but some suppliers do not provide a value.	10
<BuyerOrderNumber>27554</BuyerOrderNumber>	BuyerOrderNumber	0..1	Buyer's order number is always provided.	20
<Date>20060320</Date>	Date	1		8
	@Qualifier	O	Qualifier is not returned.	

	<b>@Format</b>	<b>O</b>	Format is not returned. However, the date is always given as YYYYMMDD.	
</OrderRef>				
<MessageStatus Value="Modified or Rejected or Confirmed" />	MessageStatus	1	TC1 supports Modified, Rejected and Confirmed as message status. Please refer to the explanations of different status at the end of this document.	
	@Value	R	Modified, Rejected or Confirmed	
<SellerParty>	SellerParty	1		
<PartyNumber Qualifier="BuyerNumber">Brake_UK</PartyNumber>	PartyNumber	1		13
	@Qualifier		TC1 will always use BuyerNumber, even though the identification may not really be buyer's identification number.	
	<b>Address</b>	<b>0..1</b>	TC1 supplier does not provide address information about the SellerParty.	
</SellerParty>				
<BuyerParty>	BuyerParty	1		
<PartyNumber Qualifier="SupplierNumber">07046</PartyNumber>	PartyNumber	1		13
	@Qualifier	R	TC1 will always use SupplierNumber, even though the identification may not really be supplier's identification number.	
	<b>Address</b>	<b>0..1</b>	TC1 supplier does not provide address information about the BuyerParty.	
</BuyerParty>				
<DeliveryParty>	DeliveryParty	1	DeliveryParty information is copied from the order message and returned in the order response message.	
<PartyNumber Qualifier="SupplierNumber">45344</PartyNumber>	PartyNumber	1		13
	@Qualifier	R	TC1 will always use SupplierNumber, even though the identification may not really be supplier's identification number.	

<Address>	Address	0..1	Address element is always provided for DeliveryParty by TC1. However, the address elements may not contain any values. The values are copied from the corresponding fields of the order message directly.	
<Name1 />	Name1	1		35
<Name2 />	Name2	0..1		35
<Street1 />	Street1	1		35
<Street2 />	Street2	0..1		35
<PostalCode />	PostalCode	1		10
<City />	City	1		35
<CountryCode />	CountryCode	1		2
</Address>	Address			
</DeliveryParty>				
	<b>InvoiceParty</b>	<b>0..1</b>	Not supported by TC1	
<Currency>GBP</Currency>	Currency	1		3
<Response ResponseClass="Error" Code="1007" Type="0">	Response	0..n		
	@ResponseClass	R	Information, Warning, Error	
	@Code	R	Codes less than 3000 originate from TecConnect. Codes greater than or equal to 3000 originate from the supplier's ERP system. See separate code list from TecCom.	
	@Type	O	0 - Status information 1 - Syntax information 2 - Business case specific information 3 - Security information 4 - Administration 5 - Information on Availability Requests / Orders	
<Text>Material master does not contain product: *:SURBENCA1065R</Text>	Text			256
</Response>				
	<b>FreeText</b>	<b>0..n</b>	Not supported by TC1	
</OrdRspHeader>				

<OrdRspltem>	OrdRspltem	1..n		
<PositionNumber>1</PositionNumber>	PositionNumber	1		
<RequestedQuantity>	RequestedQuantity	1		
<Quantity UoM="PCE">1</Quantity>	Quantity	1		
	@UoM	O	Unit of measure is always provided and it's value is PCE.	
</RequestedQuantity>				
<ConfirmedQuantity>	ConfirmedQuantity	1		
<Quantity UoM="PCE">1</Quantity>	Quantity	1		
	@UoM	O	Unit of measure (UoM) is always provided and it's value is PCE.	
</ConfirmedQuantity>				
<ProductId>	ProductId	1		
<MakerCode>*</MakerCode>	MakerCode	0..1	MakerCode is always provided. If the supplier does not provide any value, an asterix "*" is returned.	6
<ProductNumber>DI955154</ProductNumber>	ProductNumber	0..1	If ProductNumber is available in the order message, it is returned unchanged in the order response.	30
<Ean>12345678901234</Ean>	Ean	0..1	If Ean number is available in the order message, it is returned unchanged in the order response.	14
<BuyerProductNumber>88721</BuyerProductNumber>	BuyerProductNumber	0..1	If BuyerProductNumber number is available in the order message, it is returned unchanged in the order response.	30
</ProductId>				
<ProductDescription>	ProductDescription	1		
<ProductName>Disc DI 955154 Packed in Pairs</ProductName>	ProductName	1..n		40
	@Language	O	Not supported by TC1	
</ProductDescription>				

<RequestedDeliveryDate>	RequestedDeliveryDate	1	The element is always available, but it may not contain any value.	
<Date />	Date	1	The element is always available, but it may not contain any value.	8
	<b>@Qualifier</b>	<b>O</b>	Qualifier is not returned.	
	<b>@Format</b>	<b>O</b>	Format is not returned. However, the date is always given as YYYYMMDD.	
</RequestedDeliveryDate>				
<ProductPrice>	ProductPrice	0..1	ProductPrice is always provided, but the supplier can set the value with a blank.	
<PriceCategory>NetPrice</PriceCategory>	PriceCategory	0..1	Possible values are: NetPrice = total net line amount OR unit net price ListPrice = total gross line amount SpecialOffer = not supported by TC1 NoPrice = price not available	
<Price>15.72</Price>	Price	1	A maximum of 15 characters. Decimal point with a maximum of 4 digits.	15, 4 digits
<DiscountGroup>3</DiscountGroup>	DiscountGroup	0..1	DiscountGroup is only used with ListPrice.	6
<PriceUnit>	PriceUnit	0..1	If PriceUnit/Quantity = 1, the "NetPrice" is unit net price. If PriceUnit/Quantity = confirmed quantity, then "NetPrice" is total net line amount.	
<Quantity UoM="PCE">10</Quantity>	Quantity	1		
	@UoM	O	Unit of measurement according to UN/ECE 20	3
</PriceUnit>				
<Currency>GBP</Currency>	Currency	0..1		3
</ProductPrice>				
	<b>DeliveryInfo</b>	<b>0..n</b>	Not supported by TC1	
<Alternative>	Alternative	0..n	TC1 can only return one alternative product.	
<ProductId>	ProductId	1		
<MakerCode>*</MakerCode>	MakerCode	0..1		
<ProductNumber>ID955154</ProductNumber>	ProductNumber	0..1		

	Ean	0..1		
	BuyerProductNumber	0..1		
</ProductId>				
<ProductDescription>	ProductDescription	1		
<ProductName>Disc ID 955154 Packed in Pairs</ProductName>	ProductName	1..n		
</ProductDescription>				
<ProductPrice>	ProductPrice	0..1		
<PriceCategory>NetPrice</PriceCategory>	PriceCategory	0..1	Possible values are NetPrice, ListPrice, SpecialOffer or NoPrice.	
<Price>15.72</Price>	Price	1	A maximum of 15 characters. Decimal point with a maximum of 4 digits.	15, 4 digits
<DiscountGroup>3</DiscountGroup>	DiscountGroup	0..1		6
<PriceUnit>	PriceUnit	0..1		
<Quantity UoM="PCE">10</Quantity>	Quantity	1		
	@UoM	0	Unit of measurement according to UN/ECE 20	3
</PriceUnit>				
<Currency>GBP</Currency>	Currency	0..1		3
</ProductPrice>				
</Alternative>				
<ItemInstruction Value="ConfirmedWithChanges" />	ItemInstruction	1	TC1 supports ConfirmedWithChanges, ConfirmedWithoutChanges, NotProcessed, Rejected. Please refer to the explanations of the different values at the end of this document.	
	@Value	R	ConfirmedWithChanges, ConfirmedWithoutChanges, NotProcessed or Rejected	
	<b>QtyVariance</b>	<b>0..n</b>	Not supported by TC1	
<OrderItemRef>	OrderItemRef	1		

<SellerOrderItemRef>1</SellerOrderItemRef>	SellerOrderItemRef	0..1		
<BuyerOrderItemRef>1</BuyerOrderItemRef>	BuyerOrderItemRef	0..1		
</OrderItemRef>				
<Response ResponseClass="Error" Code="1007" Type="0">	Response	0..n		
	@ResponseClass	R	Information, Warning, Error	
	@Code	R	Codes less than 3000 originate from TecConnect. Codes greater than or equal to 3000 originate from the supplier's ERP system. See separate code list from TecCom.	
	@Type	O	0 - Status information 1 - Syntax information 2 - Business case specific information 3 - Security information 4 - Administration 5 - Information on Availability Requests / Orders	
<Text>Material master does not contain product: *:SURBENCA1065R</Text>	Text			256
</Response>				
	<b>FreeText</b>	<b>0..n</b>	Not supported by TC1	
</OrdRsplItem>				
</OrdRsp>				

### 3.3 Order response message status

#### Header

##### Values for attribute “value” in element “MessageStatus”

###### Modified

“Modified” is used, if at least one position has an ItemInstruction with value “Rejected”, or if RequestedQuantity is not equal to ConfirmedQuantity. RequestedQuantity is taken from the order and ConfirmedQuantity comes from the supplier.

###### Rejected

The value „Rejected“ is set, if there is an error is returned in “Response” element on the header lever, or if every position is marked as “Rejected”.

###### Confirmed

If none of the above alternatives is valid, „Confirmed“ is set. Please notice, that changes in header are not checked at all.

#### Lines

##### Values for attribute “value” in element “ItemInstruction”

###### ConfirmedWithChanges

If RequestedQuantity (from order) is not equal to ConfirmedQuantity (from supplier), “ConfirmedWithChanges” is set.

###### ConfirmedWithoutChanges

If no „Response“ element with „ResponseClass“ „Error“ is returned and RequestedQuantity is equal to ConfirmedQuantity, „ConfirmedWithoutChanges“ is set.

###### NotProcessed

Supplier has not yet processed this position.

###### Rejected

The value „Rejected“ is set, if a “Response” element with attribute “ResponseClass” is returned with value “Error”.

### 3.4 Implementation rule for Price

Rules applicable for following processes:

- Availability response
- Synchronous order response

Supplier can return 3 prices in tXML OrdRsp

#### Total net amount

The total amount of the line for the confirmed quantity without taxes or specific promotion:

The total net amount must include charges applicable to the line, for instance:

Surcharge for old material.

#### Implementation rule

<pre>&lt;ProductPrice&gt;   &lt;PriceCategory&gt;NetPrice&lt;/PriceCategory&gt;   &lt;Price&gt;180&lt;/Price&gt;   &lt;PriceUnit&gt;     &lt;Quantity UoM=" PCE"&gt;10&lt;/Quantity&gt;   &lt;/PriceUnit&gt;   &lt;Currency&gt;EUR&lt;/Currency&gt; &lt;/ProductPrice&gt;</pre>	<p>Example shows all mandatory fields</p> <p>&lt;Quantity UoM=" PCE"&gt; is equal to the confirmed quantity &lt;ConfirmedQuantity&gt;</p> <p>If &lt;ConfirmedQuantity&gt; = 0 then Total net amount of the line = 0 ⇔ &lt;Price&gt; = 0</p>
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#### Gross price per unit(s)

The public price before discount and without tax for the number of units indicated.

Default number of units is 1.

#### Implementation rule

<pre>&lt;ProductPrice&gt;   &lt;PriceCategory&gt;ListPrice&lt;/PriceCategory&gt;   &lt;Price&gt;180&lt;/Price&gt;   &lt;DiscountGroup&gt;1&lt;/DiscountGroup&gt;   &lt;PriceUnit&gt;     &lt;Quantity UoM=" PCE"&gt;1&lt;/Quantity&gt;   &lt;/PriceUnit&gt;   &lt;Currency&gt;EUR&lt;/Currency&gt; &lt;/ProductPrice&gt;</pre>	<p>&lt;DiscountGroup&gt; is optional Other fields in the example are mandatory</p> <p>&lt;PriceUnit&gt; is the number of units</p>
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#### Unit net price

A unit net price is the price that the buyer will find on his invoice from the supplier. It does not include surcharge for old material.

#### Implementation rule

<pre>&lt;ProductPrice&gt;   &lt;PriceCategory&gt;NetPrice&lt;/PriceCategory&gt;   &lt;Price&gt;180&lt;/Price&gt;   &lt;Currency&gt;EUR&lt;/Currency&gt; &lt;/ProductPrice&gt;</pre>	<p>Example shows all mandatory fields</p> <p>&lt;PriceUnit&gt; must be omitted</p>
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