Association EDI-Optique

# OPTO v35 Optic Order
# IMPLEMENTATION GUIDE
# COMMON PARTS

**Business Domain: Optic – Supply Chain**

**Business Process: Ordering Process**

**Document Identification:**

**Title: OPTO v35 Optic Order**

**Document location:**

**Version: 1.00**

**Release: R.2**

**Date of AEO approval: 2011-03-31**

## Document Summary

| Document Item | Current Value |
|---|---|
| Document Title | OPTO v35 Optic Order Implementation Guide – Common parts |
| Date Last Modified | 2011-03-31 |
| Current Document Issue | Issue #2 of draft version |
| Status | Draft |
| Document Description<br>(one sentence summary) | Implementation guide for the common parts to any OPTO v35 Optic Order (generic and prescription) |

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## Log of Changes

| Issue No. | Date of Change | Changed By | Summary of Change |
|---|---|---|---|
| #1 | 2011-03-15 | Julien DROUIN | Creation |
| #2 | 2011-03-31 | Jean-Christophe LEROY | Review |

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# 1. Preamble

This document is part of the OPTO v35 Optic Order documentation set. It is not the purpose of this document to provide the reader with a complete understanding of the implementation of the OPTO v35 Optic Order.

# 2. References

- OPTO v35 Optic Order– Read me
- OPTO v35 Optic Order– Understanding the ebXML Strategy
- OPTO v35 Optic Order– Business Requirements Specification
- OPTO v35 Optic Order– Requirements Specification Mapping
- OPTO v35 Optic Order– Data dictionary

The following XML schema and XML documents are also used for reference:

- OpticGenericOrder_0p1p0.xsd
- OpticPrescriptionOrder_0p1p0.xsd
- OpticReusableAggregateBusinessInformationEntity_0p1p1.xsd
- OpticClassifications_v1.0r06.xsd
- OpticQualifiedDataType_1p1p0.xsd
- Optic_CharacteristicTypeCode_1p0.xsd
- Optic_PriceCode_1p1.xsd
- Optic_ActionCode_1p1.xsd
- Optic_RangeCode_1p1.xsd
- Optic_RelationCode_1p1.xsd
- Optic_StatusCode_1p1.xsd
- Optic_StatusCode_1p1.xsd
- Optic_DocumentTypeCode_1p1.xsd
- OpticPartyIdentificationCode-1.1.gc

Additional implementation guides are available:

- Implementation guide – classification
- OPTO v35 Optic Order– Implementation guide for generic products
- OPTO v35 Optic Order– Implementation guide for prescription order
- OPTO v35 Optic Order– Implementation guide for order response

# 3. Objective

This document aims to assist various stakeholders in the distribution chain of the order to implement the OPTO v35 ebXML Optic Ordering process.

The guide includes several sections:

- Chapter 4 provides the reader with a description of the business context and of the implementation scenarios.
- Chapter 5 guides the reader through ebXML standards
- Chapter 6 highlights the Information Model of the OPTO v35 Order messages
- Chapter 7 details the content of all elements included the header section of the Order Information Model. For each XML element and sub-element, possible values and attributes are defined. For each item, mapping to the data dictionary data number is provided. Note that implementation rules are also detailed and illustrated by samples. To facilitate the comprehension of the reader, elements are described in the exact same order used in the Business Requirement Specification.

This implementation guide is subject to evolutions. It shall be considered as the repository of any information useful to a successfully implement the OPTO v35 ebXML Optic Order process.

# 4. Implementing OPTO v35 ebXML Order

## 4.1. Business context

In Ophthalmic Optics, orders two type of orders are distinguished:

- Generic orders, and
- Prescription orders.

Several product types are purchased daily from optical stores based on the OPTO v35 Optic Order format. Products are defined in OPTO v11 Optic Catalog format (please refer to appropriate OPTO v11 implementation guides).

The following product types are available in catalogue and can be ordered. The below table presents associates the type of products and the type of order

| Product Type | Generic order | Prescription order |
|---|---|---|
| ▪ Lenses | X | X |
| ▪ Contact lenses | X | |
| ▪ Contact lens packaging | X | |
| ▪ Frames | X | X (related to lens prescription order) |
| ▪ Care products | X | |
| ▪ Accessories | X | |
| ▪ Packs | X | |

Prescription orders are currently used only for lens ordering. They contain information about the wearer and associated lenses (one or two). This order may contain frame, accessories and information about the edging or/and fitting.

## 4.2. Order process

The exchange of catalogue information relies on three messages:

1. Optic Generic Order
2. Optic Prescription Order
3. Order Response: order response must be used to acknowledge a generic order or a prescription order.

# 5. Supporting ebXML standard

Scenarios use cases, and messages rely on international standards published by UN/CEFACT and commonly called ebXML (electronic business XML). (see http://www.unece.org/cefact/index.htm for more information).

ebXML is the result of the convergence of multiple XML standards for the interchange of business related data.

At the time this documentation has developed UN/CEFACT, the UN/CEFACT had not published yet a standard documentation for ebXML catalogues. However, UN/CEFACT had published a draft for public review of the Cross Industry Order. The team that has developed the Optic Order has decided to rely as much as possible on the structure of the Cross Industry Order to develop the documentation and XML scheme. All components used are strictly conforming to the structure of the UN/CEFACT Core Components.

# 6. Catalogue Information Model

To be completed

## 6.1. Understanding the Catalogue Structure

To be completed

## 6.2. Classification system

Please read the implementation guide – Classification parts.

## 6.3. Mandatory items and Cardinalities

In order to keep the OPTO v35 ebXML schema generic, most elements of the schema are repeatable and optional. The approach adopted in aligned with the UN/CEFACT Cross Industry Order. However, the reader shall rely on the data dictionary to determine if an information set is repeatable and/or if that information set is mandatory. It shall be considered that an OPTO v35 ebXML Optic Order is correct only if it conforms to all of the documentation set provided by the EDI-Optique Association.

## 6.4. Schema packages

Two types of delivery packages come with OPTO v35.

- The network package points to a hosted version of the schema located on EDI-Optique website.
- The local package is a fully autonomous local version of the schema.

Depending on the implementation, one may point to one or the other version.

Please note that in an OPTO v35 orders, there can be a mixed used of network and local files. As an example, the user may want to rely on local schema which help faster processing and validation of files. On the other hand, the user may point to network codelists whish are more frequently subject to updates. Please note that for all files as the version is part of the file name. the content of a published version of a file will never be altered.

# 7. Header for Order (Generic or Prescription)

## 7.1. OOH Exchanged Document

An OOH Exchanged document is the header of all the order (generic and prescription).

- Generic Order:

A typical message header is as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<ogo:OpticGenericOrder
xmlns="urn:edi:optique:data:draft:OpticGenericOrder:0"
xmlns:oram="urn:edi:optique:data:standard:OpticReusableAggregateBusinessInformationEntity:1"
xmlns:ccts="urn:un:unece:uncefact:documentation:standard:CoreComponentsTechnicalSpecification:2"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:edi:optique:data:draft:OpticGenericOrder:0
http://www.edi-optique.org/standard/edioptic/data/draft/OpticGenericOrder_0p1p0.xsd">
<ogo:OOHExchangedDocument> …</ ogo:OOHExchangedDocument>
```

- Prescription Order:

```
<opo:OpticPrescriptionOrder
xmlns="urn:edi:optique:data:draft:OpticPrescriptionOrder:0"
xmlns:oram="urn:edi:optique:data:standard:OpticReusableAggregateBusinessInformationEntity:1"
xmlns:ccts="urn:un:unece:uncefact:documentation:standard:CoreComponentsTechnicalSpecification:2"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:edi:optique:data:draft:OpticPrescriptionOrder:0
http://www.edi-optique.org/standard/edioptic/data/draft/OpticPrescriptionOrder_0p1p0.xsd">

<opo:OOHExchangedDocument> …</opo:OOHExchangedDocument>
```

### 7.1.1. Identification

**Data Number = #4**

**Mandatory Data**

Data Type: Identifier

Description: The unique identifier of this OOH exchanged document (Order number).

```
<oram:ID>20110315001</oram:ID>
```

### 7.1.2. Type Code

**Data Number = #5**

**Mandatory Data**

Description: The code specifying the type of OOH exchanged document.

Data Type: OODocumentTypeCode

List of values for Document Type Code:

- 21: calculation request

- 105: New order
- 311: Quotation request

Example:

```
<oram:TypeCode>105</oram:TypeCode>
```

### 7.1.3. Issue Date Time

**Data Number = #6**

**Mandatory Data**

Description: The date, time, date time or other date time value for the issuance of this OOH exchanged document.

Data Type: DateTime

```
<oram:IssueDateTime>2011-12-17T09:30:47.0Z</oram:IssueDateTime>
```

### 7.1.4. Test Indicator

**Data Number = #272**

**Optional Data**

Description: An indication of whether or not this OOH exchanged manifest document is sent for test.

Data Type: Boolean

List of values:

- **false**: operational order (default)
- **true**: test order

Example:

```
<oram:TestIndicator>false</oram:TestIndicator>
```

### 7.1.5. Practice Management System Identification

**Data Number = #3**

**Mandatory Data**

Data Type: Identifier

Description: The practice management system identifier of this OOH exchanged document.

```
<oram:PracticeManagementSystemID>LPV.001</oram:PracticeManagementSystemID>
```

### 7.1.6. Included CI Note

**Data Number = #7**

**Optional Data**

Description: A note included in this OOH exchanged document.

Data Type: String

Example:

```
<oram:IncludedCINote>
        <oram:ContentCode>7</oram:ContentCode>
        <oram:Content languageID="en">General comment</oram:Content>
</oram:IncludedCINote>
```

## 7.2. Supply Chain Trade Transaction

**OGOH Supply Chain Trade Transaction for Generic Order**

**OPOH Supply Chain Trade Transaction for Prescription Order**

**Mandatory Element**

Description: Data for an Optic Ordering Header that is exchanged between two or more parties in written, printed or electronic form.

- Generic Order:

<ogo:OGOHSupplyChainTradeTransaction> …</ogo:OGOHSupplyChainTradeTransaction>

- Prescription Order:

<opo:OPOHSupplyChainTradeTransaction> …</opo:OPOHSupplyChainTradeTransaction>

### 7.2.1. Applicable OOH Supply Chain Trade Agreement

**Mandatory Element**

Description: The contractual terms of the supply chain trade agreement for this Optical Ordering Header (OOH).

<oram:ApplicableOOHSupplyChainTradeAgreement>

…

</oram:ApplicableOOHSupplyChainTradeAgreement>

#### 7.2.1.1. Seller Optic Party

**Mandatory Data**

Description: The party that is the seller for this OOH supply chain trade agreement.

Data Type: Optic Party

<oram:SellerOpticParty>…</oram:SellerOpticParty>

##### 7.2.1.1.1. Identifier

**Data Number = #211 (code) #235 (qualifier)**

**Mandatory Data**

Description: A unique identifier of the seller.

Example:

<oram:ID schemeID="ZZY">NOV</oram:ID>

<oram:ID schemeID="167">0123456789123</oram:ID>

List of values for schemeID:

- 167: VAT number
- 091: defined by the manufacturer
- 092: defined by the receiver
- YZX: SIRET number
- ZZY: defined by the EDI-Optique Association

The list of codes defines by the EDI-Optique Association is provided at the following URL:

http://www.edi-optique.org/standard/edioptic/codelist/standard/OpticPartyIdentificationCode-1.1.gc

#### 7.2.1.2. Buyer Optic Party

**Mandatory Data**

Description: The party that is the buyer for this OOH supply chain trade agreement.

Data Type: Optic Party

<oram:BuyerOpticParty>…</oram:BuyerOpticParty>

##### 7.2.1.2.1. Identifier

**Data Number = #8 (code) #234 (qualifier)**

**Mandatory Data**

Description: A unique identifier of the buyer.

Example:

<oram:ID schemeID="100">123456</oram:ID>

<oram:ID schemeID="167">0123456789123</oram:ID>

List of values for schemeID:

- 167: VAT number
- 091: defined by the manufacturer
- 092: defined by the receiver
- YZX: SIRET number
- ZZY: defined by the EDI-Optique Association

The list of codes defines by the EDI-Optique Association is provided at the following URL:

http://www.edi-optique.org/standard/edioptic/codelist/standard/OpticPartyIdentificationCode-1.1.gc

##### 7.2.1.2.2. Defined Optic Trade Contact

**Optional Data**

Description: Contact at the supplier.

Example:

<oram:DefinedOpticTradeContact>

…

</oram:DefinedOpticTradeContact>

###### 7.2.1.2.2.1. Person Name

**Data Number = #9**

**Optional Data**

Description: Buyer Contact Name

Example:

<oram:PersonName>String</oram:PersonName>

**Preliminary note:**
According to the data dictionary, only one of the following elements can be defined: Telephone, Telefax, Electronic Mail and Other Communication.

#### 7.2.1.2.2.2. Telephone CI Universal Communication

**Data Number = #10**

**Optional Data**

Description: Telephone number of the contact at the buyer.

Example:

```
<oram:TelephoneCIUniversalCommunication>
        <oram:CompleteNumber>+33 6 73 48 28 39</oram:CompleteNumber>
</oram:TelephoneCIUniversalCommunication>
```

#### 7.2.1.2.2.3. Fax CI Universal Communication

**Data Number = #10**

**Optional Data**

Description: Fax number of the contact at the buyer.

Example:

```
<oram:FaxCIUniversalCommunication>
        <oram:CompleteNumber>(02) 99 25 34 85</oram:CompleteNumber>
</oram:FaxCIUniversalCommunication>
```

#### 7.2.1.2.2.4. Email URI CI Universal Communication

**Optional Data**

**Data Number = #10**

Description: Email address of the contact at the buyer.

Example:

```
<oram:EmailURICIUniversalCommunication >
        <oram:CompleteNumber>contact@yahoo.fr</oram:CompleteNumber>
</oram:EmailURICIUniversalCommunication >
```

#### 7.2.1.2.2.5. Other CI Universal Communication

**Optional Data**

**Data Number = #10**

Description: Mailmax or EDI of the contact at the buyer.

Example:

```
<oram:OtherCIUniversalCommunication>
        <oram:ChannelCode>X400</oram:ChannelCode>
        <oram:CompleteNumber>contact@mailmax.fr</oram:CompleteNumber>
</oram:OtherCIUniversalCommunication>
```

### 7.2.1.2.3. Postal CIT Trade Address

**Data Number = #195**

**Optional Data**

Description: The supplier postal address.

In data dictionary we only use Country Code.

```
<oram:PostalCITradeAddress>
        <oram:CountryID>FR</oram:CountryID>
</oram:PostalCITradeAddress>
```

#### 7.2.1.3. Marketplace Order Optic Referenced Document

**Optional Element**

Description: The marketplace order document referenced in this OOH supply chain trade agreement.

```
<oram:MarketplaceOrderOpticReferencedDocument>
...
</oram:MarketplaceOrderOpticReferencedDocument >
```

##### 7.2.1.3.1. Issuer Assigned Identification

**Data Number = #15 (code) #239 (qualifier)**

**Optional Data**

Description: A unique identifier of the electronic platform address.

Example:

```
<oram:IssuerAssignedID schemeID="100">123456</oram:IssuerAssignedID>
<oram:IssuerAssignedID schemeID="167">0123456789123</oram:IssuerAssignedID>
```

List of values for schemeID:

- 167: VAT number
- 091: defined by the manufacturer
- 092: defined by the receiver
- YZX: SIRET number
- ZZY: defined by the EDI-Optique Association

The list of codes defines by the EDI-Optique Association is provided at the following URL:

http://www.edi-optique.org/standard/edioptic/codelist/standard/OpticPartyIdentificationCode-1.1.gc

#### 7.2.1.4. Blanket Order Optic Referenced Document

**Optional Element**

Description: The blanket order document referenced in this OOH supply chain trade agreement.

```
<oram:BlanketOrderOpticReferencedDocument>
...
</oram:BlanketOrderOpticReferencedDocument >
```

##### 7.2.1.4.1. Issuer Assigned Identification

**Data Number = #17**

**Optional Data**

Description: A unique identifier of the blanket contract.

Example:

```
<oram:IssuerAssignedID>123456</oram:IssuerAssignedID>
```

## 7.2.2. Applicable OOH Supply Chain Trade Delivery

**Mandatory Element**

Description: The OOH supply chain trade delivery applicable to this OOH supply chain trade transaction.

```
<oram: ApplicableOOHSupplyChainTradeDelivery>
 …
</oram: ApplicableOOHSupplyChainTradeDelivery>
```

### 7.2.2.1. Ship To Optic Party

**Mandatory Data**

Description: The party that is the ship to for this OOH supply chain trade agreement.

Data Type: Optic Party

```
<oram:ShipToOpticParty>…</oram:ShipToOpticParty>
```

#### 7.2.2.1.1. Identifier

**Data Number = #12 (code) #236 (qualifier)**

**Mandatory Data**

Description: A unique identifier of the ship to.

Example:

```
<oram:ID schemeID="100">123456</oram:ID>
<oram:ID schemeID="167">0123456789123</oram:ID>
```

List of values for schemeID:

- 167: VAT number
- 091: defined by the manufacturer
- 092: defined by the receiver
- YZX: SIRET number
- ZZY: defined by the EDI-Optique Association

The list of codes defines by the EDI-Optique Association is provided at the following URL:

http://www.edi-optique.org/standard/edioptic/codelist/standard/OpticPartyIdentificationCode-1.1.gc

#### 7.2.2.1.2. Postal CIT Trade Address

**Optional Element**

Description: The address specified for this Optic trade party.

```
<oram:PostalCITradeAddress>
...
</oram:PostalCITradeAddress>
```

##### 7.2.2.1.2.1. Postcode Code

**Data Number = #200**

Type: Code

**Optional Data**

Description: The ship to post code.

<oram:PostcodeCode>75000</oram:PostcodeCode >

#### 7.2.2.1.2.2. Line One

**Data Number = #196**

Type: Text

**Optional Data**

Description: The ship to first line address.

<oram:LineOne>rue xxx</oram:LineOne>

#### 7.2.2.1.2.3. Line Two

**Data Number = #197**

Type: Text

**Optional Data**

Description: The ship to second line address.

<oram:LineTwo>rue xxx</oram:LineTwo>

#### 7.2.2.1.2.4. Line Three

**Data Number = #198**

Type: Text

**Optional Data**

Description: The ship to third line address.

<oram:LineThree>rue xxx</oram:LineThree>

#### 7.2.2.1.2.5. City Name

**Data Number = #199**

Type: Text

**Optional Data**

Description: The ship to city name.

<oram:CityName>PARIS</oram:CityName>

#### 7.2.2.1.2.6. Country Identification

**Data Number = #201**

Type: Text

**Optional Data**

Description: The ship to country.

<oram:CountryID>FR</oram:CountryID>

### 7.2.2.2. Planned Delivery CI Supply Chain Event

**Data Number = #337**

**Optional Data**

Description: The Carrier name.

```
<oram:PlannedDeliveryCISupplyChainEvent>
        <oram:ID>Carrier name</oram:ID>
</oram:PlannedDeliveryCISupplyChainEvent >
```

### 7.2.3. Applicable OOH Supply Chain Trade Settlement

**Mandatory Element**

Description: The OOH supply chain trade invoice applicable to this OOH supply chain trade transaction.

```
<oram: ApplicableOOHSupplyChainTradeSettlement>
 …
</oram: ApplicableOOHSupplyChainTradeSettlement>
```

#### 7.2.3.1. Order Currency Code

**Data Number = #16**

**Optional Data**

Type: Code

Description: The currency code for this OOH Supply Chain Trade Transaction

```
<oram:OrderCurrencyCode>EUR</oram:OrderCurrencyCode>
```

#### 7.2.3.2. Due Payable Amount

**Data Number = #193**

**Optional Data**

Type: Amount

Description: The total amount for this OOH Supply Chain Trade Transaction

```
<oram:DuePayableAmount>212</oram:DuePayableAmount>
```

#### 7.2.3.3. Invoicee Optic Party

**Mandatory Data**

Description: The party that is the invoicee for this OOH supply chain trade Settlement.

Data Type: Optic Party

```
<oram:InvoiceeOpticParty>…</oram:InvoiceeToOpticParty>
```

##### 7.2.3.3.1. Identifier

**Data Number = #13 (code) #237 (qualifier)**

**Mandatory Data**

Description: A unique identifier of the invoicee.

Example:

```
<oram:ID schemeID="100">123456</oram:ID>
<oram:ID schemeID="167">0123456789123</oram:ID>
```

List of values for schemeID:

- 167: VAT number
- 091: defined by the manufacturer
- 092: defined by the receiver

- YZX: SIRET number
- ZZY: defined by the EDI-Optique Association

The list of codes defines by the EDI-Optique Association is provided at the following URL:

http://www.edi-optique.org/standard/edioptic/codelist/standard/OpticPartyIdentificationCode-1.1.gc

### 7.2.3.4. Payer Optic Party

**Mandatory Data**

Description: The party that is the payer for this OOH supply chain trade Settlement.

Data Type: Optic Party

<oram:PayerOpticParty>…</oram:PayerToOpticParty>

#### 7.2.3.4.1. Identifier

**Data Number = #14 (code) #238 (qualifier)**

**Mandatory Data**

Description: A unique identifier of the payer.

Example:

<oram:ID schemeID="100">123456</oram:ID>

<oram:ID schemeID="167">0123456789123</oram:ID>

List of values for schemeID:

- 167: VAT number
- 091: defined by the manufacturer
- 092: defined by the receiver
- YZX: SIRET number
- ZZY: defined by the EDI-Optique Association

The list of codes defines by the EDI-Optique Association is provided at the following URL:

http://www.edi-optique.org/standard/edioptic/codelist/standard/OpticPartyIdentificationCode-1.1.gc

# 8. Annexe

## 8.1. Optic Code Lists

### 8.1.1. Optic Action Code

To find the list of optic action code, please consult the following XML schema:

http://www.edi-optique.org/standard/edioptic/codelist/standard/Optic_ActionCode_1p1.xsd

### 8.1.2. Optic Characteristic Type Code

To find the list of optic characteristic type code, please consult the following XML schema:

http://www.edi-optique.org/standard/edioptic/codelist/standard/Optic_CharacteristicTypeCode_1p1.xsd

### 8.1.3. Optic Price Code

To find the list of optic price code, please consult the following XML schema:

http://www.edi-optique.org/standard/edioptic/codelist/standard/Optic_PriceCode_1p1.xsd

### 8.1.4. Optic Range Code

To find the list of optic range code, please consult the following XML schema:

http://www.edi-optique.org/standard/edioptic/codelist/draft/Optic_RangeCode_1p0.xsd

### 8.1.5. Optic Relation Code

To find the list of optic relation code, please consult the following XML schema:

http://www.edi-optique.org/standard/edioptic/codelist/standard/Optic_RelationCode_1p1.xsd

### 8.1.6. Optic Status Code

To find the list of optic status code, please consult the following XML schema:

http://www.edi-optique.org/standard/edioptic/codelist/standard/Optic_StatusCode_1p1.xsd

## 8.2. UN/Cefact Code Lists

### 8.2.1. Currency Code

To find the list of Currency code, please consult the following XML schema:

/uncefact/codelist/standard/ISO_ISO3AlphaCurrencyCode_20090305.xsd

### 8.2.2. Unit Code

To find the list of Unit code, please consult the following XML schema:

/uncefact/codelist/standard/UNECE_MeasurementUnitCommonCode_6.xsd

### 8.2.3. Character Set Encoding Code

To find the list of character set encoding code, you have to consult the XML scheme:

/uncefact/codelist/standard/UNECE_CharacterSetEncodingCode_40106.xsd

### 8.2.4. Mime Media Type Code

To find the list of mime media type code, you have to consult the XML scheme:

/uncefact/codelist/standard/IANA_MIMEMediaType_20100406.xsd

## 8.3. ISO Code Lists

### 8.3.1. Language Code

The 2-character codification of ISO 639-1 is used for coding languages. Please consult the following link:

http://wapedia.mobi/en/List_of_ISO_639-1_codes

### 8.3.2. Date Time codification

The Date Time codification used in the OPTO v11 Optic Catalogue conforms to the numeric representation of date and time as defined in ISO 8604:2004. The extended format is preferred.

The following are examples of complete representations of date and time of day representations:

| **Extended format** | **Example** |
|---|---|
| YYYY-MM-DDThh:mm:ss | 1985-04-12T10:15:30 |
| YYYY-MM-DDThh:mm:ssZ | 1985-04-12T10:15:30Z |
| YYYY-MM-DDThh:mm:ss±hh:mm | 1985-04-12T10:15:30+04:00 |
| YYYY-MM-DDThh:mm:ss±hh | 1985-04-12T10:15:30+04 |

Note: [Z] is used as UTC designator.