Schema documentation for BookingSchema.xsd

july 4, 2019

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      IANA_MIMEMediaType_20090901.xsd

      ISO_ISOTwoletterCountryCode_SecondEdition2006VI-6.xsd

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      UNECE_CharacterSetEncodingCode_40106.xsd

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    UNECE_AgencyIdentificationCode_D09A.xsd

    UNECE_MeasurementUnitCommonCode_6.xsd

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Namespace: "www.openfreight.org"

Schema(s)

Main schema `BookingSchema.xsd`

Namespace	www.openfreight.org	
Properties	attribute form default:	`unqualified`
	element form default:	`qualified`
Schema location	file:/D:/Freightos/OpenFreight/api/eBooking-api/xml-schema/BookingSchema.xsd	

Element(s)

Element `opn:BookingRequest`

Namespace	www.openfreight.org

Diagram	
Type	opn:BookingRequestType
Properties	content: complex
Model	opn:MessageHeader , opn:BusinessInfo , opn:WayBillIdentifier{0,1} , opn:Shipment{0,1}
Children	opn:BusinessInfo, opn:MessageHeader, opn:Shipment, opn:WayBillIdentifier

Instance	`<opn:BookingRequest xmlns:opn="www.openfreight.org">`
	  `<opn:MessageHeader>{1,1}</opn:MessageHeader>`
	  `<opn:BusinessInfo>{1,1}</opn:BusinessInfo>`
	  `<opn:WayBillIdentifier>{0,1}</opn:WayBillIdentifier>`
	  `<opn:Shipment>{0,1}</opn:Shipment>`
	`</opn:BookingRequest>`

Source	`<xs:element name="BookingRequest" type="opn:BookingRequestType"/>`
Schema location	file:/D:/Freightos/OpenFreight/api/eBooking-api/xml-schema/BookingSchema.xsd

Element opn:BookingResponse

Namespace	www.openfreight.org
Diagram	
Type	opn:BookingResponseType
Properties	content: complex
Model	opn:MessageHeader , opn:BusinessInfo , opn:WayBillIdentifier , opn:BookingRate , opn:ResponseStatus{0,1}
Children	opn:BookingRate, opn:BusinessInfo, opn:MessageHeader, opn:ResponseStatus, opn:WayBillIdentifier

Instance	`<opn:BookingResponse xmlns:opn="www.openfreight.org">`
	  `<opn:MessageHeader>{1,1}</opn:MessageHeader>`
	  `<opn:BusinessInfo>{1,1}</opn:BusinessInfo>`
	  `<opn:WayBillIdentifier>{1,1}</opn:WayBillIdentifier>`
	  `<opn:BookingRate>{1,1}</opn:BookingRate>`
	  `<opn:ResponseStatus>{0,1}</opn:ResponseStatus>`

	`</opn:BookingResponse>`
Source	`<xs:element name="BookingResponse" type="opn:BookingResponseType"/>`
Schema loca-tion	file:/D:/Freightos/OpenFreight/api/eBooking-api/xml-schema/BookingSchema.xsd

Element `opn:BookingStatusResponse`

Namespace	www.openfreight.org
Diagram	
Type	opn:BookingStatusResponseType
Properties	content: complex
Model	opn:MessageHeader , opn:BusinessInfo , opn:WayBillIdentifier , opn:BookingStatus
Children	opn:BookingStatus, opn:BusinessInfo, opn:MessageHeader, opn:WayBillIdentifier

Instance	`<opn:BookingStatusResponse xmlns:opn="www.openfreight.org">`
	`  <opn:MessageHeader>{1,1}</opn:MessageHeader>`
	`  <opn:BusinessInfo>{1,1}</opn:BusinessInfo>`
	`  <opn:WayBillIdentifier>{1,1}</opn:WayBillIdentifier>`
	`  <opn:BookingStatus>{1,1}</opn:BookingStatus>`
	`</opn:BookingStatusResponse>`

Source	`<xs:element name="BookingStatusResponse" type="opn:BookingStatusResponseType"/>`
Schema loca-tion	file:/D:/Freightos/OpenFreight/api/eBooking-api/xml-schema/BookingSchema.xsd

Complex Type(s)

Complex Type `opn:BookingRequestType`

Namespace	www.openfreight.org
Diagram	
Used by	Element opn:BookingRequest
Model	opn:MessageHeader , opn:BusinessInfo , opn:WayBillIdentifier{0,1} , opn:Shipment{0,1}
Children	opn:BusinessInfo, opn:MessageHeader, opn:Shipment, opn:WayBillIdentifier

Source	`<xs:complexType name="BookingRequestType">`
	`  <xs:sequence>`
	`    <xs:element name="MessageHeader" type="opn:MessageHeaderType"/>`
	`    <xs:element name="BusinessInfo" type="opn:BusinessInfoType"/>`
	`    <xs:element name="WayBillIdentifier" type="opn:WayBillIdentifierType" minOccurs="0"/>`
	`    <xs:element name="Shipment" type="opn:ShipmentType" minOccurs="0"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

Schema location	file:/D:/Freightos/OpenFreight/api/eBooking-api/xml-schema/BookingSchema.xsd

Complex Type `opn:WayBillIdentifierType`

Namespace	www.openfreight.org
Diagram	
Used by	Elements opn:BookingRequestType/opn:WayBillIdentifier, opn:BookingResponseType/opn:WayBillIdentifier, opn:BookingStatusResponseType/opn:WayBillIdentifier
Model	opn:HWB{0,1} , opn:MWB{0,1} , opn:AdditionalID{0,1} , opn:BillOfLading{0,1} , opn:BillOfLadingURL{0,1} , opn:Electron-icWayBill{0,1}
Children	opn:AdditionalID, opn:BillOfLading, opn:BillOfLadingURL, opn:ElectronicWayBill, opn:HWB, opn:MWB

Source	`<xs:complexType name="WayBillIdentifierType">`
	`  <xs:sequence>`
	`    <xs:element name="HWB" type="udt:TextType" minOccurs="0">`
	`      <xs:annotation>`
	`        <xs:documentation>Home WayBill, created by the FreightForworder</xs:documentation>`
	`      </xs:annotation>`
	`    </xs:element>`
	`    <xs:element name="MWB" type="udt:TextType" minOccurs="0">`
	`      <xs:annotation>`
	`        <xs:documentation>Master WayBill, created by the carrier</xs:documentation>`
	`      </xs:annotation>`
	`    </xs:element>`
	`    <xs:element name="AdditionalID" type="udt:IDType" minOccurs="0"/>`
	`    <xs:element name="BillOfLading" type="udt:TextType" minOccurs="0"/>`
	`    <xs:element name="BillOfLadingURL" type="xs:anyURI" minOccurs="0"/>`
	`    <xs:element name="ElectronicWayBill" type="xs:boolean" minOccurs="0">`
	`      <xs:annotation>`
	`        <xs:documentation>Indecator if the WayBill has acommopanying document or not.</xs:documentation>`
	`      </xs:annotation>`

```
            </xs:element>
        </xs:sequence>
    </xs:complexType>
```

Schema loca-tion	file:/D:/Freightos/OpenFreight/api/eBooking-api/xml-schema/BookingSchema.xsd

Complex Type `opn:BookingResponseType`

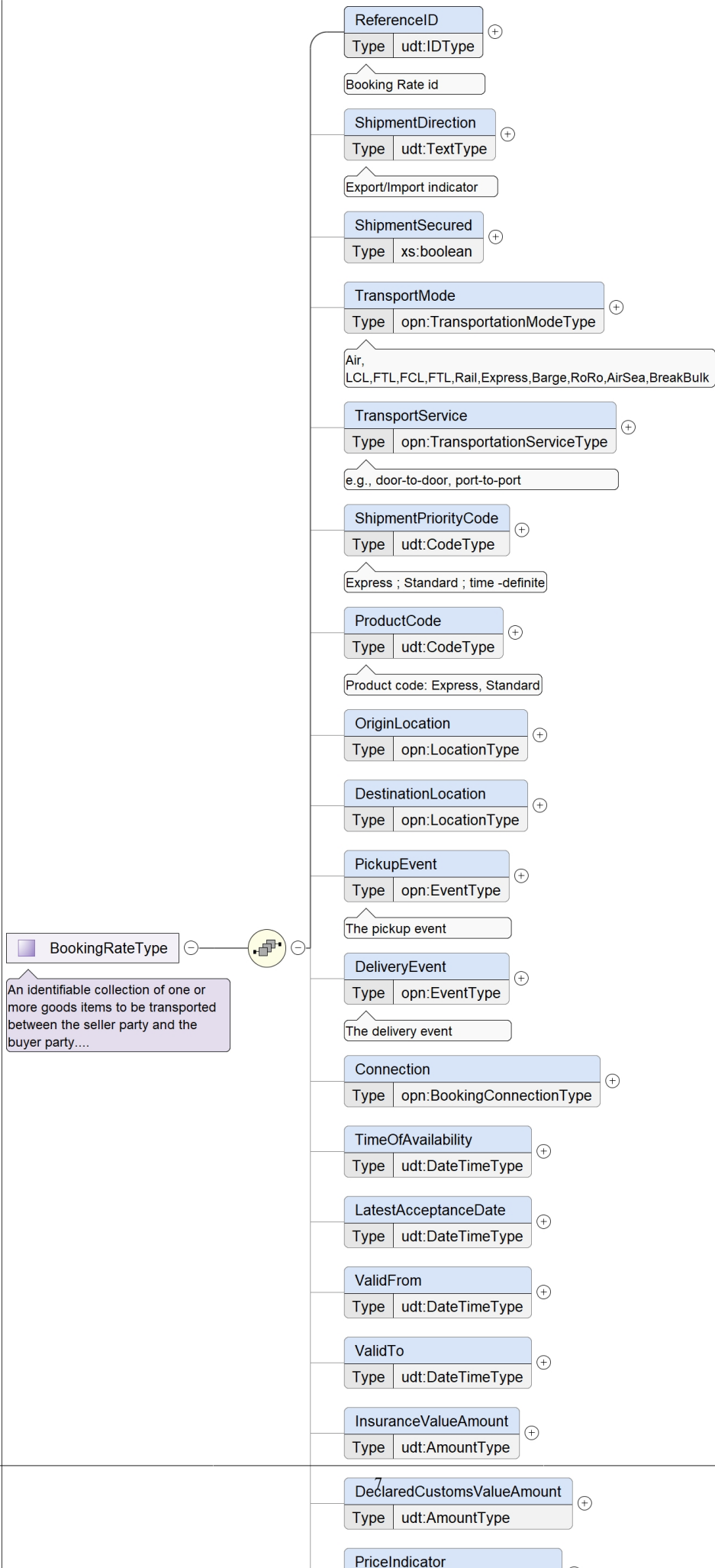| Namespace	www.openfreight.org
Diagram	
Used by	Element opn:BookingResponse
Model	opn:MessageHeader , opn:BusinessInfo , opn:WayBillIdentifier , opn:BookingRate , opn:ResponseStatus{0,1}
Children	opn:BookingRate, opn:BusinessInfo, opn:MessageHeader, opn:ResponseStatus, opn:WayBillIdentifier
Source	<xs:complexType name="BookingResponseType"> <xs:sequence> <xs:element name="MessageHeader" type="opn:MessageHeaderType"/> <xs:element name="BusinessInfo" type="opn:BusinessInfoType"/> <xs:element name="WayBillIdentifier" type="opn:WayBillIdentifierType"/> <xs:element name="BookingRate" type="opn:BookingRateType"/> <xs:element name="ResponseStatus" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="Status" type="opn:StatusType" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType>
Schema loca-tion	file:/D:/Freightos/OpenFreight/api/eBooking-api/xml-schema/BookingSchema.xsd

Complex Type `opn:BookingRateType`

Namespace	www.openfreight.org
Annotations	An identifiable collection of one or more goods items to be transported between the seller party and the buyer party. This information may be defined within a commercial contract. A shipment can be transported in different consignments (e.g., split for logistical purposes).

Diagram

ReferenceID
Type | udt:IDType

Booking Rate id

ShipmentDirection
Type | udt:TextType

Export/Import indicator

ShipmentSecured
Type | xs:boolean

TransportMode
Type | opn:TransportationModeType

Air,
LCL,FTL,FCL,FTL,Rail,Express,Barge,RoRo,AirSea,BreakBulk

TransportService
Type | opn:TransportationServiceType

e.g., door-to-door, port-to-port

ShipmentPriorityCode
Type | udt:CodeType

Express ; Standard ; time -definite

ProductCode
Type | udt:CodeType

Product code: Express, Standard

OriginLocation
Type | opn:LocationType

DestinationLocation
Type | opn:LocationType

PickupEvent
Type | opn:EventType

The pickup event

BookingRateType

An identifiable collection of one or
more goods items to be transported
between the seller party and the
buyer party....

DeliveryEvent
Type | opn:EventType

The delivery event

Connection
Type | opn:BookingConnectionType

TimeOfAvailability
Type | udt:DateTimeType

LatestAcceptanceDate
Type | udt:DateTimeType

ValidFrom
Type | udt:DateTimeType

ValidTo
Type | udt:DateTimeType

InsuranceValueAmount
Type | udt:AmountType

DeclaredCustomsValueAmount
Type | udt:AmountType

PriceIndicator

Used by	Element	opn:BookingResponseType/opn:BookingRate
Model	opn:ReferenceID , opn:ShipmentDirection{0,1} , opn:ShipmentSecured{0,1} , opn:TransportMode{0,1} , opn:TransportService{0,1} , opn:ShipmentPriorityCode{0,1} , opn:ProductCode{0,1} , opn:OriginLocation{0,1} , opn:DestinationLocation{0,1} , opn:PickupEvent{0,1} , opn:DeliveryEvent{0,1} , opn:Connection{0,1} , opn:TimeOfAvailability{0,1} , opn:LatestAcceptanceDate{0,1} , opn:ValidFrom{0,1} , opn:ValidTo{0,1} , opn:InsuranceValueAmount{0,1} , opn:DeclaredCustomsValueAmount{0,1} , opn:PriceIndicator{0,1} , opn:SpecialHandlingCodes{0,1} , opn:Terms{0,1} , opn:CommodityClassification{0,1} , opn:Remarks{0,1} , opn:AdditionalInformation{0,1}	
Children	opn:AdditionalInformation, opn:CommodityClassification, opn:Connection, opn:DeclaredCustomsValueAmount, opn:DeliveryEvent, opn:DestinationLocation, opn:InsuranceValueAmount, opn:LatestAcceptanceDate, opn:OriginLocation, opn:PickupEvent, opn:PriceIndicator, opn:ProductCode, opn:ReferenceID, opn:Remarks, opn:ShipmentDirection, opn:ShipmentPriorityCode, opn:ShipmentSecured, opn:SpecialHandlingCodes, opn:Terms, opn:TimeOfAvailability, opn:TransportMode, opn:TransportService, opn:ValidFrom, opn:ValidTo	
Source		

```xml
<xs:complexType name="BookingRateType">
  <xs:annotation>
    <xs:documentation>An identifiable collection of one or more goods items to be transported
 between the seller party and the buyer party. This information may be defined within a commercial
 contract. A shipment can be transported in different consignments (e.g., split for logistical
 purposes).</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="ReferenceID" type="udt:IDType">
      <xs:annotation>
        <xs:documentation>Booking Rate id</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="ShipmentDirection" type="udt:TextType" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Export/Import indicator</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="ShipmentSecured" type="xs:boolean" minOccurs="0"/>
    <xs:element name="TransportMode" type="opn:TransportationModeType" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Air, LCL,FTL,FCL,FTL,Rail,Express,Barge,RoRo,AirSea,BreakBulk</
xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="TransportService" type="opn:TransportationServiceType" minOccurs="0">
      <xs:annotation>
        <xs:documentation>e.g., door-to-door, port-to-port</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="ShipmentPriorityCode" type="udt:CodeType" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Express ; Standard ; time -definite</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="ProductCode" type="udt:CodeType" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Product code: Express, Standard</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="OriginLocation" type="opn:LocationType" minOccurs="0"/>
    <xs:element name="DestinationLocation" type="opn:LocationType" minOccurs="0"/>
    <xs:element name="PickupEvent" type="opn:EventType" minOccurs="0">
      <xs:annotation>
        <xs:documentation>The pickup event</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="DeliveryEvent" type="opn:EventType" minOccurs="0">
      <xs:annotation>
        <xs:documentation>The delivery event</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="Connection" type="opn:BookingConnectionType" minOccurs="0"/>
    <xs:element name="TimeOfAvailability" type="udt:DateTimeType" minOccurs="0"/>
    <xs:element name="LatestAcceptanceDate" type="udt:DateTimeType" minOccurs="0"/>
    <xs:element name="ValidFrom" type="udt:DateTimeType" minOccurs="0"/>
    <xs:element name="ValidTo" type="udt:DateTimeType" minOccurs="0"/>
    <xs:element name="InsuranceValueAmount" type="udt:AmountType" minOccurs="0"/>
    <xs:element name="DeclaredCustomsValueAmount" type="udt:AmountType" minOccurs="0"/>
    <xs:element name="PriceIndicator" type="opn:PriceIndicatorType" minOccurs="0"/>
    <xs:element name="SpecialHandlingCodes" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="Code" type="udt:CodeType" maxOccurs="unbounded" minOccurs="1"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
```

```
              <xs:element name="Terms" type="opn:TermsType" minOccurs="0"/>
              <xs:element name="CommodityClassification" minOccurs="0">
                <xs:annotation>
                  <xs:documentation/>
                </xs:annotation>
                <xs:complexType>
                  <xs:sequence>
                    <xs:element maxOccurs="unbounded" minOccurs="1" name="CommodityClass"
        type="opn:CommodityClassificationType">
                        <xs:annotation>
                          <xs:documentation/>
                        </xs:annotation>
                    </xs:element>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element name="Remarks" type="udt:TextType" minOccurs="0"/>
              <xs:element name="AdditionalInformation" minOccurs="0">
                <xs:annotation>
                  <xs:documentation>Additional information specific to message requester such as Origin Search
        Type, DestinationSearchType</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:sequence>
                    <xs:element name="Information" type="opn:AdditionalPropertyType" maxOccurs="unbounded"
        minOccurs="0">
                        <xs:annotation>
                          <xs:documentation/>
                        </xs:annotation>
                    </xs:element>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
          </xs:sequence>
        </xs:complexType>
```

Schema location	file:/D:/Freightos/OpenFreight/api/eBooking-api/xml-schema/BookingSchema.xsd

Complex Type `opn:BookingConnectionType`

Namespace	www.openfreight.org
Diagram	
Used by	Element opn:BookingRateType/opn:Connection
Model	opn:NumberOfConnections{0,1} , opn:TransitTime{0,1} , opn:ConnectionSegments
Children	opn:ConnectionSegments, opn:NumberOfConnections, opn:TransitTime
Source	See below

```
<xs:complexType name="BookingConnectionType">
  <xs:sequence>
    <xs:element name="NumberOfConnections" type="xs:integer" minOccurs="0"/>
    <xs:element name="TransitTime" type="opn:TransitTimeType" maxOccurs="1" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Number of (months, weeks, days, hours, etc.) it takes to transport a
shipment</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="ConnectionSegments" minOccurs="1">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="Segment" type="opn:BookingSegmentType" maxOccurs="unbounded"
minOccurs="1"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

Schema location	file:/D:/Freightos/OpenFreight/api/eBooking-api/xml-schema/BookingSchema.xsd

Complex Type `opn:BookingSegmentType`

Namespace	www.openfreight.org
Diagram	
Type	extension of opn:SegmentType
Type hierarchy	• opn:SegmentType

	• opn:BookingSegmentType
Used by	Element opn:BookingConnectionType/opn:ConnectionSegments/opn:Segment
Model	opn:SegmentID{0,1} , opn:SegmentType{0,1} , opn:Status{0,1} , opn:VehicleType{0,1} , opn:VehicleNumber{0,1} , opn:ItineraryNumber{0,1} , opn:TransportMode{0,1} , opn:Origin , opn:Destination , opn:ScheduledTimeOfDeparture{0,1} , opn:ScheduledTimeOfArrival{0,1} , opn:TimeOfAvailability{0,1} , opn:LatestAcceptanceDate{0,1} , opn:MarketingCarrierCode{0,1} , opn:OperatingCarrierCode{0,1} , opn:TransitTime{0,1} , opn:Charges{0,1} , opn:AvailableSpace{0,1}
Children	opn:AvailableSpace, opn:Charges, opn:Destination, opn:ItineraryNumber, opn:LatestAcceptanceDate, opn:MarketingCarrierCode, opn:OperatingCarrierCode, opn:Origin, opn:ScheduledTimeOfArrival, opn:ScheduledTimeOfDeparture, opn:SegmentID, opn:SegmentType, opn:Status, opn:TimeOfAvailability, opn:TransitTime, opn:TransportMode, opn:VehicleNumber, opn:VehicleType

Source	```xml
	<xs:complexType name="BookingSegmentType">
	  <xs:complexContent>
	    <xs:extension base="opn:SegmentType">
	      <xs:sequence>
	        <xs:element name="Charges" type="opn:ChargeType" minOccurs="0"/>
	        <xs:element name="AvailableSpace" type="opn:AvailableSpaceType" minOccurs="0"/>
	      </xs:sequence>
	    </xs:extension>
	  </xs:complexContent>
	</xs:complexType>
	``

Schema location	file:/D:/Freightos/OpenFreight/api/eBooking-api/xml-schema/BookingSchema.xsd

Complex Type `opn:BookingStatusResponseType`

Namespace	www.openfreight.org
Diagram	
Used by	Element opn:BookingStatusResponse
Model	opn:MessageHeader , opn:BusinessInfo , opn:WayBillIdentifier , opn:BookingStatus
Children	opn:BookingStatus, opn:BusinessInfo, opn:MessageHeader, opn:WayBillIdentifier

Source	```xml
	<xs:complexType name="BookingStatusResponseType">
	  <xs:sequence>
	    <xs:element name="MessageHeader" type="opn:MessageHeaderType"/>
	    <xs:element name="BusinessInfo" type="opn:BusinessInfoType"/>
	    <xs:element name="WayBillIdentifier" type="opn:WayBillIdentifierType"/>
	    <xs:element name="BookingStatus" type="opn:StatusMessageType"/>
	  </xs:sequence>
	</xs:complexType>
	``

Schema location	file:/D:/Freightos/OpenFreight/api/eBooking-api/xml-schema/BookingSchema.xsd