Realis ITS

Version 08.12.2022

DatexII 3.3 profile realisparking-3.0

DATEXII_3_CommonExtension

Table of Contents

top

Schema Document Properties

Target Namespace	**http://datex2.eu/schema/3/commonExtension**
Version	3.3
Element and Attribute Namespaces	• Global element and attribute declarations belong to this schema's target namespace. • By default, local element declarations belong to this schema's target namespace. • By default, local attribute declarations have no namespace.

Schema Composition	• This schema imports schema(s) from the following namespace(s):
	  ◦ *http://datex2.eu/schema/3/trafficRegulation* (at DATEXII_3_TrafficRegulation.xsd)
	  ◦ *http://datex2.eu/schema/3/common* (at DATEXII_3_Common.xsd)

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace
xs	http://www.w3.org/2001/XMLSchema
tro	http://datex2.eu/schema/3/trafficRegulation
com	http://datex2.eu/schema/3/common
comx	**http://datex2.eu/schema/3/commonExtension**

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified" version="3.3"
targetNamespace="http://datex2.eu/schema/3/commonExtension">
  <xs:import namespace="http://datex2.eu/schema/3/trafficRegulation"
  schemaLocation="DATEXII_3_TrafficRegulation.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/common" schemaLocation="DATEXII_3_Common.xsd"/>
  ...
</xs:schema>
```

top

Global Definitions

Complex Type: AgeCharacteristic

Super-types:	None
Sub-types:	None

Name	AgeCharacteristic
Abstract	no
Documentation	Characteristics depending on vehicle age

XML Instance Representation

```
<...>
  <comx:comparisonOperator> com:_ComparisonOperatorEnum </comx:comparisonOperator> [1] ?
  <comx:yearOfFirstRegistration> com:Year </comx:yearOfFirstRegistration> [1] ?
  <comx:_ageCharacteristicExtension> com:_ExtensionType </comx:_ageCharacteristicExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AgeCharacteristic">
  <xs:sequence>
    <xs:element name="comparisonOperator" type="com:_ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="yearOfFirstRegistration" type="com:Year" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_ageCharacteristicExtension" type="com:_ExtensionType" minOccurs="0"/>
```

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

top

Complex Type: DangerousGoodsExtended

Super-types:	None
Sub-types:	None

Name DangerousGoodsExtended

Abstract no

Documentation Extension of dangerous goods class.

XML Instance Representation

```
<...>
   <comx:adrClassValue> comx:ADRClass </comx:adrClassValue> [0..13] ?
</...>
```

Schema Component Representation

```
<xs:complexType name="DangerousGoodsExtended">
   <xs:sequence>
      <xs:element name="adrClassValue" type="comx:ADRClass" minOccurs="0" maxOccurs="13"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: DayWeekMonthExtended

Super-types:	None
Sub-types:	None

Name DayWeekMonthExtended

Abstract no

Documentation Extension of class DayWeekMonth.

XML Instance Representation

```
<...>
   <comx:applicableDaysWithinMonth> comx:_ApplicableDaysWithinMonthEnum </comx:applicableDaysWithinMonth> [1] ?
</...>
```

Schema Component Representation

```
<xs:complexType name="DayWeekMonthExtended">
   <xs:sequence>
      <xs:element name="applicableDaysWithinMonth" type="comx:_ApplicableDaysWithinMonthEnum" minOccurs="1"
      maxOccurs="1"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: EmissionsExtension

Super-types:	None
Sub-types:	None

Name EmissionsExtension

Abstract no

Documentation An extension for the Emissions class to provide a comparison operator.

XML Instance Representation

```
<...>
   <comx:comparisonOperator> com:_ComparisonOperatorEnum </comx:comparisonOperator> [1] ?
</...>
```

Schema Component Representation

```
<xs:complexType name="EmissionsExtension">
   <xs:sequence>
      <xs:element name="comparisonOperator" type="com:_ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: EnginePowerCharacteristics

Super-types:	None
Sub-types:	None

Name EnginePowerCharacteristics

Abstract	no
Documentation	Characteristics of the engine power of a vehicle.

XML Instance Representation

```
<...>
   <comx:comparisonOperator> com:_ComparisonOperatorEnum </comx:comparisonOperator> [1] ?
   <comx:enginePower> com:Float </comx:enginePower> [1] ?
   <comx:unitOfMeasure> comx:_PowerUnitOfMeasureEnum </comx:unitOfMeasure> [1] ?
   <comx:_enginePowerCharacteristicsExtension> com:_ExtensionType </comx:_enginePowerCharacteristicsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="EnginePowerCharacteristics">
   <xs:sequence>
      <xs:element name="comparisonOperator" type="com:_ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="enginePower" type="com:Float" minOccurs="1" maxOccurs="1"/>
      <xs:element name="unitOfMeasure" type="comx:_PowerUnitOfMeasureEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="_enginePowerCharacteristicsExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: FuzzyPeriod

Super-types:	None
Sub-types:	None

Name	FuzzyPeriod
Abstract	no
Documentation	Class for fuzzy periods of a day.

XML Instance Representation

```
<...>
   <comx:beginOrDuration> comx:_FuzzyTimeEnum </comx:beginOrDuration> [0..1] ?
   <comx:endOrDuration> comx:_FuzzyTimeEnum </comx:endOrDuration> [0..1] ?
   <comx:_fuzzyPeriodExtension> com:_ExtensionType </comx:_fuzzyPeriodExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="FuzzyPeriod">
   <xs:sequence>
      <xs:element name="beginOrDuration" type="comx:_FuzzyTimeEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="endOrDuration" type="comx:_FuzzyTimeEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="_fuzzyPeriodExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: GrossTrailerWeightCharacteristics

Super-types:	None
Sub-types:	None

Name	GrossTrailerWeightCharacteristics
Abstract	no
Documentation	Gross weight characteristic of a trailer of a vehicle.

XML Instance Representation

```
<...>
   <comx:comparisonOperator> com:_ComparisonOperatorEnum </comx:comparisonOperator> [1] ?
   <comx:grossTrailerWeight> com:Tonnes </comx:grossTrailerWeight> [1] ?
   <comx:typeOfWeight> com:_WeightTypeEnum </comx:typeOfWeight> [1] ?
   <comx:_grossTrailerWeightCharacteristicsExtension> com:_ExtensionType
   </comx:_grossTrailerWeightCharacteristicsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="GrossTrailerWeightCharacteristics">
   <xs:sequence>
      <xs:element name="comparisonOperator" type="com:_ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="grossTrailerWeight" type="com:Tonnes" minOccurs="1" maxOccurs="1"/>
      <xs:element name="typeOfWeight" type="com:_WeightTypeEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="_grossTrailerWeightCharacteristicsExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: PeriodExtended

Super-types:	None
Sub-types:	None

Name	PeriodExtended
Abstract	no
Documentation	Extension class for Period.

XML Instance Representation

```
<...>
   <comx:fuzzyPeriod> comx:FuzzyPeriod </comx:fuzzyPeriod> [0..*]
</...>
```

Schema Component Representation

```
<xs:complexType name="PeriodExtended">
   <xs:sequence>
      <xs:element name="fuzzyPeriod" type="comx:FuzzyPeriod" minOccurs="0" maxOccurs="unbounded"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: RegulatedCharacteristics

Super-types:	None
Sub-types:	None

Name	RegulatedCharacteristics
Abstract	no
Documentation	characteristics as defined in EU and or national regulations

XML Instance Representation

```
<...>
   <comx:euVehicleCategory> comx:_EuVehicleCategoryEnum </comx:euVehicleCategory> [0..*] ?
   <comx:euSpecialPurposeVehicle> comx:_EuSpecialPurposeVehicleEnum </comx:euSpecialPurposeVehicle> [0..1] ?
   <comx:nationalSpecialPurposeVehicle> com:MultilingualString </comx:nationalSpecialPurposeVehicle> [0..1] ?
   <comx:_regulatedCharacteristicsExtension> com:_ExtensionType </comx:_regulatedCharacteristicsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RegulatedCharacteristics">
   <xs:sequence>
      <xs:element name="euVehicleCategory" type="comx:_EuVehicleCategoryEnum" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="euSpecialPurposeVehicle" type="comx:_EuSpecialPurposeVehicleEnum" minOccurs="0"
      maxOccurs="1"/>
      <xs:element name="nationalSpecialPurposeVehicle" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="_regulatedCharacteristicsExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: TrailerCharacteristics

Super-types:	None
Sub-types:	None

Name	TrailerCharacteristics
Abstract	no
Documentation	The characteristics of a trailer e.g. gross weight of trailer.

XML Instance Representation

```
<...>
   <comx:grossTrailerWeightCharacteristics> comx:GrossTrailerWeightCharacteristics
   </comx:grossTrailerWeightCharacteristics> [1] ?
   <comx:_trailerCharacteristicsExtension> com:_ExtensionType </comx:_trailerCharacteristicsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TrailerCharacteristics">
   <xs:sequence>
      <xs:element name="grossTrailerWeightCharacteristics" type="comx:GrossTrailerWeightCharacteristics"/>
      <xs:element name="_trailerCharacteristicsExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: VehicleCharacteristicsExtended

Super-types:	None
Sub-types:	None

Name	VehicleCharacteristicsExtended
Abstract	no
Documentation	Extension class for vehicle characteristics

XML Instance Representation

```
<...>
   <comx:ageCharacteristic> comx:AgeCharacteristic </comx:ageCharacteristic> [0..1]
   <comx:maximumDesignSpeed> tro:Speed </comx:maximumDesignSpeed> [0..1] ?
   <comx:trailerCharacteristics> comx:TrailerCharacteristics </comx:trailerCharacteristics> [0..1]
   <comx:hazardousMaterials> com:HazardousMaterials </comx:hazardousMaterials> [0..1]
   <comx:enginePowerCharacteristics> comx:EnginePowerCharacteristics </comx:enginePowerCharacteristics> [0..2]
   <comx:regulatedCharacteristics> comx:RegulatedCharacteristics </comx:regulatedCharacteristics> [0..*]
</...>
```

Schema Component Representation

```
<xs:complexType name="VehicleCharacteristicsExtended">
   <xs:sequence>
      <xs:element name="ageCharacteristic" type="comx:AgeCharacteristic" minOccurs="0"/>
      <xs:element name="maximumDesignSpeed" type="tro:Speed" minOccurs="0"/>
      <xs:element name="trailerCharacteristics" type="comx:TrailerCharacteristics" minOccurs="0"/>
      <xs:element name="hazardousMaterials" type="com:HazardousMaterials" minOccurs="0"/>
      <xs:element name="enginePowerCharacteristics" type="comx:EnginePowerCharacteristics" minOccurs="0"
      maxOccurs="2"/>
      <xs:element name="regulatedCharacteristics" type="comx:RegulatedCharacteristics" minOccurs="0"
      maxOccurs="unbounded"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: _ApplicableDaysWithinMonthEnum

Super-types:	xs:string < ApplicableDaysWithinMonthEnum (by restriction) < **_ApplicableDaysWithinMonthEnum** (by extension)
Sub-types:	None

Name	_ApplicableDaysWithinMonthEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   comx:ApplicableDaysWithinMonthEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ApplicableDaysWithinMonthEnum">
   <xs:simpleContent>
      <xs:extension base="comx:ApplicableDaysWithinMonthEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _EuSpecialPurposeVehicleEnum

Super-types:	xs:string < EuSpecialPurposeVehicleEnum (by restriction) < **_EuSpecialPurposeVehicleEnum** (by extension)
Sub-types:	None

Name	_EuSpecialPurposeVehicleEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   comx:EuSpecialPurposeVehicleEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_EuSpecialPurposeVehicleEnum">
   <xs:simpleContent>
      <xs:extension base="comx:EuSpecialPurposeVehicleEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _EuVehicleCategoryEnum

Super-types:	xs:string < EuVehicleCategoryEnum (by restriction) < **_EuVehicleCategoryEnum** (by extension)
Sub-types:	None

Name	_EuVehicleCategoryEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
```

```
  comx:EuVehicleCategoryEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_EuVehicleCategoryEnum">
  <xs:simpleContent>
    <xs:extension base="comx:EuVehicleCategoryEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _FuzzyTimeEnum

Super-types:	xs:string < FuzzyTimeEnum (by restriction) < **_FuzzyTimeEnum** (by extension)
Sub-types:	None

Name	_FuzzyTimeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  comx:FuzzyTimeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_FuzzyTimeEnum">
  <xs:simpleContent>
    <xs:extension base="comx:FuzzyTimeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _PowerUnitOfMeasureEnum

Super-types:	xs:string < PowerUnitOfMeasureEnum (by restriction) < **_PowerUnitOfMeasureEnum** (by extension)
Sub-types:	None

Name	_PowerUnitOfMeasureEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  comx:PowerUnitOfMeasureEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_PowerUnitOfMeasureEnum">
  <xs:simpleContent>
    <xs:extension base="comx:PowerUnitOfMeasureEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Simple Type: ADRClass

Super-types:	com:String < **ADRClass** (by restriction)
Sub-types:	None

Name	ADRClass
Content	• **'String' super type was not found in this schema. Its facets could not be printed out.** • *pattern* = [1-9]|[4-6].[1-2]|4.3
Documentation	Specification of classes of dangerous goods according to ADR.

Schema Component Representation

```
<xs:simpleType name="ADRClass">
  <xs:restriction base="com:String">
    <xs:pattern value="[1-9]|[4-6].[1-2]|4.3"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ApplicableDaysWithinMonthEnum

Super-types:	xs:string < **ApplicableDaysWithinMonthEnum** (by restriction)
Sub-types:	• _ApplicableDaysWithinMonthEnum (by extension)

Name ApplicableDaysWithinMonthEnum

Content

- Base XSD Type: string
- *value* comes from list: {'evenDay'|'oddDay'|'daysFromOneToFifteen'|'daysFromSixteenToThirtyOne'|'_extended'}

Documentation Types of days within a month.

Schema Component Representation

```
<xs:simpleType name="ApplicableDaysWithinMonthEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="evenDay"/>
      <xs:enumeration value="oddDay"/>
      <xs:enumeration value="daysFromOneToFifteen"/>
      <xs:enumeration value="daysFromSixteenToThirtyOne"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: EuSpecialPurposeVehicleEnum

Super-types:	xs:string < **EuSpecialPurposeVehicleEnum** (by restriction)
Sub-types:	• _EuSpecialPurposeVehicleEnum (by extension)

Name EuSpecialPurposeVehicleEnum

Content

- Base XSD Type: string
- *value* comes from list: {'motorCaravan'|'armouredVehicle'|'ambulance'|'hearse'|'trailerCaravan'|'mobileCrane'|'otherSpecialPurposeVehicle'|'wheelChairAccessibleVehicle'|'_

Documentation Vehicle purpose according to EU legislation

Schema Component Representation

```
<xs:simpleType name="EuSpecialPurposeVehicleEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="motorCaravan"/>
      <xs:enumeration value="armouredVehicle"/>
      <xs:enumeration value="ambulance"/>
      <xs:enumeration value="hearse"/>
      <xs:enumeration value="trailerCaravan"/>
      <xs:enumeration value="mobileCrane"/>
      <xs:enumeration value="otherSpecialPurposeVehicle"/>
      <xs:enumeration value="wheelChairAccessibleVehicle"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: EuVehicleCategoryEnum

Super-types:	xs:string < **EuVehicleCategoryEnum** (by restriction)
Sub-types:	• _EuVehicleCategoryEnum (by extension)

Name EuVehicleCategoryEnum

Content

- Base XSD Type: string
- *value* comes from list: {'m'|'m1'|'m2'|'m3'|'n'|'n1'|'n2'|'n3'|'o'|'o1'|'o2'|'o3'|'o4'|'_extended'}

Documentation Vehicle categories according to EU legislation

Schema Component Representation

```
<xs:simpleType name="EuVehicleCategoryEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="m"/>
      <xs:enumeration value="m1"/>
      <xs:enumeration value="m2"/>
      <xs:enumeration value="m3"/>
      <xs:enumeration value="n"/>
      <xs:enumeration value="n1"/>
      <xs:enumeration value="n2"/>
      <xs:enumeration value="n3"/>
      <xs:enumeration value="o"/>
      <xs:enumeration value="o1"/>
      <xs:enumeration value="o2"/>
      <xs:enumeration value="o3"/>
      <xs:enumeration value="o4"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: FuzzyTimeEnum

Super-types:	xs:string < **FuzzyTimeEnum** (by restriction)
Sub-types:	• _FuzzyTimeEnum (by extension)

Name FuzzyTimeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'dawn'|'sunset'|'_extended'}

Documentation Enumeration for fuzzy time periods.

Schema Component Representation

```
<xs:simpleType name="FuzzyTimeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="dawn"/>
    <xs:enumeration value="sunset"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: PowerUnitOfMeasureEnum

Super-types:	xs:string < **PowerUnitOfMeasureEnum** (by restriction)
Sub-types:	• _PowerUnitOfMeasureEnum (by extension)

Name PowerUnitOfMeasureEnum

Content

- Base XSD Type: string
- *value* comes from list: {'kilowatt'|'horsepower'|'_extended'}

Documentation Units for measuring power.

Schema Component Representation

```
<xs:simpleType name="PowerUnitOfMeasureEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="kilowatt"/>
    <xs:enumeration value="horsepower"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

DATEXII_3_Common

Table of Contents

- Simple Type: **Seconds**
- Simple Type: **SpecialDayTypeEnum**
- Simple Type: **String**
- Simple Type: **TemperatureCelsius**
- Simple Type: **Time**
- Simple Type: **TimePrecisionEnum**
- Simple Type: **Tonnes**
- Simple Type: **Url**
- Simple Type: **UrlLinkTypeEnum**
- Simple Type: **ValidityStatusEnum**
- Simple Type: **VehicleEquipmentEnum**
- Simple Type: **VehicleTypeEnum**
- Simple Type: **VehicleUsageEnum**
- Simple Type: **VehiclesPerHour**
- Simple Type: **WeightTypeEnum**
- Simple Type: **WinterEquipmentManagementTypeEnum**
- Simple Type: **Year**
- Simple Type: **_EmissionClassificationEuroEnumExtensionType**
- Simple Type: **_LoadTypeEnumExtensionType**
- Simple Type: **_VehicleEquipmentEnumExtensionType**
- Simple Type: **_VehicleTypeEnumExtensionType**
- Simple Type: **_VehicleUsageEnumExtensionType**
- Simple Type: **_WeightTypeEnumExtensionType**

top

Schema Document Properties

Target Namespace	**http://datex2.eu/schema/3/common**
Version	3.3
Element and Attribute Namespaces	• Global element and attribute declarations belong to this schema's target namespace. • By default, local element declarations belong to this schema's target namespace. • By default, local attribute declarations have no namespace.
Schema Composition	• This schema imports schema(s) from the following namespace(s): ◦ *http://datex2.eu/schema/3/commonExtension* (at DATEXII_3_CommonExtension.xsd)

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace
xs	http://www.w3.org/2001/XMLSchema
comx	http://datex2.eu/schema/3/commonExtension
com	**http://datex2.eu/schema/3/common**

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified" version="3.3"
targetNamespace="http://datex2.eu/schema/3/common">
   <xs:import namespace="http://datex2.eu/schema/3/commonExtension" schemaLocation="DATEXII_3_CommonExtension.xsd"/>
   ...
</xs:schema>
```

top

Global Definitions

Complex Type: CalendarWeekWithinMonth

Super-types:	DayWeekMonth < **CalendarWeekWithinMonth** (by extension)
Sub-types:	None

Name	CalendarWeekWithinMonth
Abstract	no
Documentation	Specification of periods defined by relevant calendar weeks in a month, see ISO8601. Note: Calendar weeks start with Monday. First week is the week containing the first of the month.

XML Instance Representation

```
<...>
   <com:applicableDay> com:_DayEnum </com:applicableDay> [0..7] ?
   <com:applicableMonth> com:_MonthOfYearEnum </com:applicableMonth> [0..12] ?
   <com:_dayWeekMonthExtension> com:_DayWeekMonthExtensionType </com:_dayWeekMonthExtension> [0..1]
   <com:applicableCalenderWeekWithinMonth> com:_CalendarWeekWithinMonthEnum </com:applicableCalenderWeekWithinMonth>
   [1..6] ?
   <com:_calendarWeekWithinMonthExtension> com:_ExtensionType </com:_calendarWeekWithinMonthExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="CalendarWeekWithinMonth">
   <xs:complexContent>
      <xs:extension base="com:DayWeekMonth">
         <xs:sequence>
            <xs:element name="applicableCalenderWeekWithinMonth" type="com:_CalendarWeekWithinMonthEnum" minOccurs="1"
            maxOccurs="6"/>
            <xs:element name="_calendarWeekWithinMonthExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: DataValue

Super-types:	None
Sub-types:	• IntegerMetreDistanceValue (by extension) • PercentageValue (by extension) • SpeedValue (by extension) • VehicleFlowValue (by extension)

Name	DataValue
Abstract	yes
Documentation	A data value of something that can be measured or calculated. Any provided meta-data values specified in the attributes override any specified generic characteristics such as defined for a specific measurement in the MeasurementSiteTable.

XML Instance Representation

```
<...
 accuracy="com:Percentage [0..1] ?"
 computationalMethod="com:ComputationMethodEnum [0..1] ?"
 numberOfIncompleteInputs="com:NonNegativeInteger [0..1] ?"
 numberOfInputValuesUsed="com:NonNegativeInteger [0..1] ?"
 smoothingFactor="com:Float [0..1] ?"
 standardDeviation="com:Float [0..1] ?"
 supplierCalculatedDataQuality="com:Percentage [0..1] ?">
   <com:dataError> com:Boolean </com:dataError> [0..1] ?
   <com:reasonForDataError> com:MultilingualString </com:reasonForDataError> [0..1] ?
   <com:_dataValueExtension> com:_ExtensionType </com:_dataValueExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DataValue" abstract="true">
   <xs:sequence>
      <xs:element name="dataError" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="reasonForDataError" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="_dataValueExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
   <xs:attribute name="accuracy" type="com:Percentage" use="optional"/>
   <xs:attribute name="computationalMethod" type="com:ComputationMethodEnum" use="optional"/>
   <xs:attribute name="numberOfIncompleteInputs" type="com:NonNegativeInteger" use="optional"/>
   <xs:attribute name="numberOfInputValuesUsed" type="com:NonNegativeInteger" use="optional"/>
   <xs:attribute name="smoothingFactor" type="com:Float" use="optional"/>
   <xs:attribute name="standardDeviation" type="com:Float" use="optional"/>
   <xs:attribute name="supplierCalculatedDataQuality" type="com:Percentage" use="optional"/>
</xs:complexType>
```

top

Complex Type: DayWeekMonth

Super-types:	None
Sub-types:	• CalendarWeekWithinMonth (by extension) • InstanceOfDayWithinMonth (by extension)

Name	DayWeekMonth
Abstract	no
Documentation	Specification of periods defined by the intersection of days or instances of them, calendar weeks and months.

XML Instance Representation

```
<...>
   <com:applicableDay> com:_DayEnum </com:applicableDay> [0..7] ?
   <com:applicableMonth> com:_MonthOfYearEnum </com:applicableMonth> [0..12] ?
   <com:_dayWeekMonthExtension> com:_DayWeekMonthExtensionType </com:_dayWeekMonthExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DayWeekMonth">
   <xs:sequence>
      <xs:element name="applicableDay" type="com:_DayEnum" minOccurs="0" maxOccurs="7"/>
      <xs:element name="applicableMonth" type="com:_MonthOfYearEnum" minOccurs="0" maxOccurs="12"/>
      <xs:element name="_dayWeekMonthExtension" type="com:_DayWeekMonthExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: Emissions

Super-types:	None
Sub-types:	None

Name	Emissions
Abstract	no
Documentation	Emission characteristics of vehicles.

XML Instance Representation

```
<...>
   <com:emissionClassificationEuro> com:_EmissionClassificationEuroEnum </com:emissionClassificationEuro> [0..1] ?
   <com:emissionClassificationOther> com:String </com:emissionClassificationOther> [0..*] ?
   <com:emissionLevel> com:_LowEmissionLevelEnum </com:emissionLevel> [0..1] ?
   <com:_emissionsExtension> com:_EmissionsExtensionType </com:_emissionsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Emissions">
   <xs:sequence>
      <xs:element name="emissionClassificationEuro" type="com:_EmissionClassificationEuroEnum" minOccurs="0"
      maxOccurs="1"/>
      <xs:element name="emissionClassificationOther" type="com:String" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="emissionLevel" type="com:_LowEmissionLevelEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="_emissionsExtension" type="com:_EmissionsExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: GrossWeightCharacteristic

Super-types:	None
Sub-types:	None

Name	GrossWeightCharacteristic
Abstract	no
Documentation	Gross weight characteristic of a vehicle.

XML Instance Representation

```
<...>
   <com:comparisonOperator> com:_ComparisonOperatorEnum </com:comparisonOperator> [1] ?
   <com:grossVehicleWeight> com:Tonnes </com:grossVehicleWeight> [1] ?
   <com:typeOfWeight> com:_WeightTypeEnum </com:typeOfWeight> [1] ?
   <com:_grossWeightCharacteristicExtension> com:_ExtensionType </com:_grossWeightCharacteristicExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="GrossWeightCharacteristic">
   <xs:sequence>
      <xs:element name="comparisonOperator" type="com:_ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="grossVehicleWeight" type="com:Tonnes" minOccurs="1" maxOccurs="1"/>
      <xs:element name="typeOfWeight" type="com:_WeightTypeEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="_grossWeightCharacteristicExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: HazardousMaterials

Super-types:	None
Sub-types:	None

Name	HazardousMaterials
Abstract	no
Documentation	Details of hazardous materials.

XML Instance Representation

```
<...>
   <com:chemicalName> com:MultilingualString </com:chemicalName> [1] ?
   <com:dangerousGoodsFlashPoint> com:TemperatureCelsius </com:dangerousGoodsFlashPoint> [0..1] ?
   <com:dangerousGoodsRegulations> com:_DangerousGoodsRegulationsEnum </com:dangerousGoodsRegulations> [0..1] ?
   <com:hazardCodeIdentification> com:String </com:hazardCodeIdentification> [0..1] ?
   <com:hazardCodeVersionNumber> com:NonNegativeInteger </com:hazardCodeVersionNumber> [0..1] ?
   <com:hazardSubstanceItemPageNumber> com:String </com:hazardSubstanceItemPageNumber> [0..1] ?
   <com:tremCardNumber> com:String </com:tremCardNumber> [0..1] ?
   <com:undgNumber> com:String </com:undgNumber> [0..1] ?
   <com:volumeOfDangerousGoods> com:CubicMetres </com:volumeOfDangerousGoods> [0..1] ?
   <com:weightOfDangerousGoods> com:Tonnes </com:weightOfDangerousGoods> [0..1] ?
   <com:_hazardousMaterialsExtension> com:_HazardousMaterialsExtensionType </com:_hazardousMaterialsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="HazardousMaterials">
   <xs:sequence>
      <xs:element name="chemicalName" type="com:MultilingualString" minOccurs="1" maxOccurs="1"/>
      <xs:element name="dangerousGoodsFlashPoint" type="com:TemperatureCelsius" minOccurs="0" maxOccurs="1"/>
      <xs:element name="dangerousGoodsRegulations" type="com:_DangerousGoodsRegulationsEnum" minOccurs="0"
      maxOccurs="1"/>
      <xs:element name="hazardCodeIdentification" type="com:String" minOccurs="0" maxOccurs="1"/>
      <xs:element name="hazardCodeVersionNumber" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
      <xs:element name="hazardSubstanceItemPageNumber" type="com:String" minOccurs="0" maxOccurs="1"/>
      <xs:element name="tremCardNumber" type="com:String" minOccurs="0" maxOccurs="1"/>
      <xs:element name="undgNumber" type="com:String" minOccurs="0" maxOccurs="1"/>
      <xs:element name="volumeOfDangerousGoods" type="com:CubicMetres" minOccurs="0" maxOccurs="1"/>
      <xs:element name="weightOfDangerousGoods" type="com:Tonnes" minOccurs="0" maxOccurs="1"/>
      <xs:element name="_hazardousMaterialsExtension" type="com:_HazardousMaterialsExtensionType" minOccurs="0"/>
```

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

top

Complex Type: HeaderInformation

Super-types:	None
Sub-types:	None

Name	HeaderInformation
Abstract	no
Documentation	Management information relating to the data contained within a publication.

XML Instance Representation

```
<...>
   <com:confidentiality> com:_ConfidentialityValueEnum </com:confidentiality> [0..1] ?
   <com:allowedDeliveryChannel> com:_InformationDeliveryServicesEnum </com:allowedDeliveryChannel> [0..*] ?
   <com:informationStatus> com:_InformationStatusEnum </com:informationStatus> [1] ?
   <com:_headerInformationExtension> com:_ExtensionType </com:_headerInformationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="HeaderInformation">
   <xs:sequence>
      <xs:element name="confidentiality" type="com:_ConfidentialityValueEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="allowedDeliveryChannel" type="com:_InformationDeliveryServicesEnum" minOccurs="0"
      maxOccurs="unbounded"/>
      <xs:element name="informationStatus" type="com:_InformationStatusEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="_headerInformationExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: HeaviestAxleWeightCharacteristic

Super-types:	None
Sub-types:	None

Name	HeaviestAxleWeightCharacteristic
Abstract	no
Documentation	Weight characteristic of the heaviest axle on the vehicle.

XML Instance Representation

```
<...>
   <com:comparisonOperator> com:_ComparisonOperatorEnum </com:comparisonOperator> [1] ?
   <com:heaviestAxleWeight> com:Tonnes </com:heaviestAxleWeight> [1] ?
   <com:_heaviestAxleWeightCharacteristicExtension> com:_ExtensionType
   </com:_heaviestAxleWeightCharacteristicExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="HeaviestAxleWeightCharacteristic">
   <xs:sequence>
      <xs:element name="comparisonOperator" type="com:_ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="heaviestAxleWeight" type="com:Tonnes" minOccurs="1" maxOccurs="1"/>
      <xs:element name="_heaviestAxleWeightCharacteristicExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: HeightCharacteristic

Super-types:	None
Sub-types:	None

Name	HeightCharacteristic
Abstract	no
Documentation	Height characteristic of a vehicle.

XML Instance Representation

```
<...>
   <com:comparisonOperator> com:_ComparisonOperatorEnum </com:comparisonOperator> [1] ?
   <com:vehicleHeight> com:MetresAsFloat </com:vehicleHeight> [1] ?
   <com:_heightCharacteristicExtension> com:_ExtensionType </com:_heightCharacteristicExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="HeightCharacteristic">
   <xs:sequence>
      <xs:element name="comparisonOperator" type="com:_ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="vehicleHeight" type="com:MetresAsFloat" minOccurs="1" maxOccurs="1"/>
      <xs:element name="_heightCharacteristicExtension" type="com:_ExtensionType" minOccurs="0"/>
```

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

top

Complex Type: InstanceOfDayWithinMonth

Super-types:	DayWeekMonth < **InstanceOfDayWithinMonth** (by extension)
Sub-types:	None

Name	InstanceOfDayWithinMonth
Abstract	no
Documentation	Specification of periods defined by the instance of a specific weekday within a month (e.g. 3rd Tuesday in May)

XML Instance Representation

```
<...>
  <com:applicableDay> com:_DayEnum </com:applicableDay> [0..7] ?
  <com:applicableMonth> com:_MonthOfYearEnum </com:applicableMonth> [0..12] ?
  <com:_dayWeekMonthExtension> com:_DayWeekMonthExtensionType </com:_dayWeekMonthExtension> [0..1]
  <com:applicableInstanceOfDayWithinMonth> com:_InstanceOfDayEnum </com:applicableInstanceOfDayWithinMonth> [1..5] ?
  <com:_instanceOfDayWithinMonthExtension> com:_ExtensionType </com:_instanceOfDayWithinMonthExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="InstanceOfDayWithinMonth">
  <xs:complexContent>
    <xs:extension base="com:DayWeekMonth">
      <xs:sequence>
        <xs:element name="applicableInstanceOfDayWithinMonth" type="com:_InstanceOfDayEnum" minOccurs="1"
        maxOccurs="5"/>
        <xs:element name="_instanceOfDayWithinMonthExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: IntegerMetreDistanceValue

Super-types:	DataValue < **IntegerMetreDistanceValue** (by extension)
Sub-types:	None

Name	IntegerMetreDistanceValue
Abstract	no
Documentation	A measured or calculated value of distance in whole metres.

XML Instance Representation

```
<...
 accuracy="com:Percentage [0..1] ?"
 computationalMethod="com:ComputationMethodEnum [0..1] ?"
 numberOfIncompleteInputs="com:NonNegativeInteger [0..1] ?"
 numberOfInputValuesUsed="com:NonNegativeInteger [0..1] ?"
 smoothingFactor="com:Float [0..1] ?"
 standardDeviation="com:Float [0..1] ?"
 supplierCalculatedDataQuality="com:Percentage [0..1] ?">
  <com:dataError> com:Boolean </com:dataError> [0..1] ?
  <com:reasonForDataError> com:MultilingualString </com:reasonForDataError> [0..1] ?
  <com:_dataValueExtension> com:_ExtensionType </com:_dataValueExtension> [0..1]
  <com:integerMetreDistance> com:MetresAsNonNegativeInteger </com:integerMetreDistance> [1] ?
  <com:_integerMetreDistanceValueExtension> com:_ExtensionType </com:_integerMetreDistanceValueExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="IntegerMetreDistanceValue">
  <xs:complexContent>
    <xs:extension base="com:DataValue">
      <xs:sequence>
        <xs:element name="integerMetreDistance" type="com:MetresAsNonNegativeInteger" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_integerMetreDistanceValueExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: InternationalIdentifier

Super-types:	None
Sub-types:	None

Name	InternationalIdentifier
Abstract	no
Documentation	An identifier/name whose range is specific to the particular country.

XML Instance Representation

```
<...>
   <com:country> com:CountryCode </com:country> [1] ?
   <com:nationalIdentifier> com:String </com:nationalIdentifier> [1] ?
   <com:_internationalIdentifierExtension> com:_ExtensionType </com:_internationalIdentifierExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="InternationalIdentifier">
   <xs:sequence>
      <xs:element name="country" type="com:CountryCode" minOccurs="1" maxOccurs="1"/>
      <xs:element name="nationalIdentifier" type="com:String" minOccurs="1" maxOccurs="1"/>
      <xs:element name="_internationalIdentifierExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: LengthCharacteristic

Super-types:	None
Sub-types:	None

Name	LengthCharacteristic
Abstract	no
Documentation	Length characteristic of a vehicle.

XML Instance Representation

```
<...>
   <com:comparisonOperator> com:_ComparisonOperatorEnum </com:comparisonOperator> [1] ?
   <com:vehicleLength> com:MetresAsFloat </com:vehicleLength> [1] ?
   <com:_lengthCharacteristicExtension> com:_ExtensionType </com:_lengthCharacteristicExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="LengthCharacteristic">
   <xs:sequence>
      <xs:element name="comparisonOperator" type="com:_ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="vehicleLength" type="com:MetresAsFloat" minOccurs="1" maxOccurs="1"/>
      <xs:element name="_lengthCharacteristicExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: MultilingualString

Super-types:	None
Sub-types:	None

Name	MultilingualString
Abstract	no

XML Instance Representation

```
<...>
   <com:values> [1]
      <com:value> com:MultilingualStringValue </com:value> [1..*]
   </com:values>
</...>
```

Schema Component Representation

```
<xs:complexType name="MultilingualString">
   <xs:sequence>
      <xs:element name="values">
         <xs:complexType>
            <xs:sequence>
               <xs:element name="value" type="com:MultilingualStringValue" maxOccurs="unbounded"/>
            </xs:sequence>
         </xs:complexType>
      </xs:element>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: MultilingualStringValue

Super-types:	xs:string < MultilingualStringValueType (by restriction) < **MultilingualStringValue** (by extension)
Sub-types:	None

Name	MultilingualStringValue
Abstract	no

XML Instance Representation

```
<...
 lang="xs:language [0..1]">
   com:MultilingualStringValueType
</...>
```

Schema Component Representation

```
<xs:complexType name="MultilingualStringValue">
   <xs:simpleContent>
      <xs:extension base="com:MultilingualStringValueType">
         <xs:attribute name="lang" type="xs:language"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: NamedArea

Super-types:	None
Sub-types:	None

Name	NamedArea
Abstract	yes
Documentation	An abstract hook class to hook in a model for a named area.

XML Instance Representation

```
<...>
   <com:_namedAreaExtension> com:_ExtensionType </com:_namedAreaExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="NamedArea" abstract="true">
   <xs:sequence>
      <xs:element name="_namedAreaExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: NumberOfAxlesCharacteristic

Super-types:	None
Sub-types:	None

Name	NumberOfAxlesCharacteristic
Abstract	no
Documentation	Number of axles characteristic of a vehicle.

XML Instance Representation

```
<...>
   <com:comparisonOperator> com:_ComparisonOperatorEnum </com:comparisonOperator> [1] ?
   <com:numberOfAxles> com:NonNegativeInteger </com:numberOfAxles> [1] ?
   <com:_numberOfAxlesCharacteristicExtension> com:_ExtensionType </com:_numberOfAxlesCharacteristicExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="NumberOfAxlesCharacteristic">
   <xs:sequence>
      <xs:element name="comparisonOperator" type="com:_ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="numberOfAxles" type="com:NonNegativeInteger" minOccurs="1" maxOccurs="1"/>
      <xs:element name="_numberOfAxlesCharacteristicExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: OverallPeriod

Super-types:	None
Sub-types:	None

Name	OverallPeriod
Abstract	no
Documentation	A continuous or discontinuous period of validity defined by overall bounding start and end times and the possible intersection of valid periods (potentially recurring) with the complement of exception periods (also potentially recurring).

XML Instance Representation

```
<...>
   <com:overallStartTime> com:DateTime </com:overallStartTime> [1] ?
   <com:overallEndTime> com:DateTime </com:overallEndTime> [0..1] ?
   <com:validPeriod> com:Period </com:validPeriod> [0..*] ?
   <com:exceptionPeriod> com:Period </com:exceptionPeriod> [0..*] ?
   <com:_overallPeriodExtension> com:_ExtensionType </com:_overallPeriodExtension> [0..1]
```

```
</...>
```

Schema Component Representation

```
<xs:complexType name="OverallPeriod">
  <xs:sequence>
    <xs:element name="overallStartTime" type="com:DateTime" minOccurs="1" maxOccurs="1"/>
    <xs:element name="overallEndTime" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
    <xs:element name="validPeriod" type="com:Period" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="exceptionPeriod" type="com:Period" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_overallPeriodExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

top

Complex Type: PayloadPublication

Super-types:	None
Sub-types:	None

Name	PayloadPublication
Abstract	yes
Documentation	A payload publication of traffic related information or associated management information created at a specific point in time that can be exchanged via a DATEX II interface.

XML Instance Representation

```
<...
 lang="com:Language [1] ?"
 modelBaseVersion="3 [1]"
 extensionName="xs:string [0..1]"
 extensionVersion="xs:string [0..1]"
 profileName="xs:string [0..1]"
 profileVersion="xs:string [0..1]">
   <com:publicationTime> com:DateTime </com:publicationTime> [1] ?
   <com:publicationCreator> com:InternationalIdentifier </com:publicationCreator> [1]
   <com:_payloadPublicationExtension> com:_ExtensionType </com:_payloadPublicationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PayloadPublication" abstract="true">
  <xs:sequence>
    <xs:element name="publicationTime" type="com:DateTime" minOccurs="1" maxOccurs="1"/>
    <xs:element name="publicationCreator" type="com:InternationalIdentifier"/>
    <xs:element name="_payloadPublicationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="lang" type="com:Language" use="required"/>
  <xs:attribute name="modelBaseVersion" type="xs:string" use="required" fixed="3"/>
  <xs:attribute name="extensionName" type="xs:string" use="optional"/>
  <xs:attribute name="extensionVersion" type="xs:string" use="optional"/>
  <xs:attribute name="profileName" type="xs:string" use="optional"/>
  <xs:attribute name="profileVersion" type="xs:string" use="optional"/>
</xs:complexType>
```

top

Complex Type: PercentageValue

Super-types:	DataValue < **PercentageValue** (by extension)
Sub-types:	None

Name	PercentageValue
Abstract	no
Documentation	A measured or calculated value expressed as a percentage.

XML Instance Representation

```
<...
 accuracy="com:Percentage [0..1] ?"
 computationalMethod="com:ComputationMethodEnum [0..1] ?"
 numberOfIncompleteInputs="com:NonNegativeInteger [0..1] ?"
 numberOfInputValuesUsed="com:NonNegativeInteger [0..1] ?"
 smoothingFactor="com:Float [0..1] ?"
 standardDeviation="com:Float [0..1] ?"
 supplierCalculatedDataQuality="com:Percentage [0..1] ?">
   <com:dataError> com:Boolean </com:dataError> [0..1] ?
   <com:reasonForDataError> com:MultilingualString </com:reasonForDataError> [0..1] ?
   <com:_dataValueExtension> com:_ExtensionType </com:_dataValueExtension> [0..1]
   <com:percentage> com:Percentage </com:percentage> [1] ?
   <com:_percentageValueExtension> com:_ExtensionType </com:_percentageValueExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PercentageValue">
  <xs:complexContent>
    <xs:extension base="com:DataValue">
      <xs:sequence>
        <xs:element name="percentage" type="com:Percentage" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_percentageValueExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
```

```
</xs:complexType>
```

top

Complex Type: Period

Super-types:	None
Sub-types:	None

Name	Period
Abstract	no
Documentation	A continuous time period or a set of discontinuous time periods defined by the intersection of a set of criteria all within an overall delimiting interval.

XML Instance Representation

```
<...>
   <com:startOfPeriod> com:DateTime </com:startOfPeriod> [0..1] ?
   <com:endOfPeriod> com:DateTime </com:endOfPeriod> [0..1] ?
   <com:periodName> com:MultilingualString </com:periodName> [0..1] ?
   <com:recurringTimePeriodOfDay> com:TimePeriodOfDay </com:recurringTimePeriodOfDay> [0..*] ?
   <com:recurringDayWeekMonthPeriod> com:DayWeekMonth </com:recurringDayWeekMonthPeriod> [0..*] ?
   <com:recurringSpecialDay> com:SpecialDay </com:recurringSpecialDay> [0..*] ?
   <com:_periodExtension> com:_PeriodExtensionType </com:_periodExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Period">
   <xs:sequence>
      <xs:element name="startOfPeriod" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
      <xs:element name="endOfPeriod" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
      <xs:element name="periodName" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="recurringTimePeriodOfDay" type="com:TimePeriodOfDay" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="recurringDayWeekMonthPeriod" type="com:DayWeekMonth" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="recurringSpecialDay" type="com:SpecialDay" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="_periodExtension" type="com:_PeriodExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: PublicHoliday

Super-types:	SpecialDay < **PublicHoliday** (by extension)
Sub-types:	None

Name	PublicHoliday
Abstract	no
Documentation	Specification of a specific public holiday in case specialDayType is set to 'publicHoliday'.

XML Instance Representation

```
<...>
   <com:intersectWithApplicableDays> com:Boolean </com:intersectWithApplicableDays> [1] ?
   <com:specialDayType> com:_SpecialDayTypeEnum </com:specialDayType> [1] ?
   <com:publicEvent> com:_PublicEventTypeEnum </com:publicEvent> [0..1] ?
   <com:namedArea> com:NamedArea </com:namedArea> [0..*]
   <com:_specialDayExtension> com:_ExtensionType </com:_specialDayExtension> [0..1]
   <com:publicHolidayName> com:MultilingualString </com:publicHolidayName> [1] ?
   <com:_publicHolidayExtension> com:_ExtensionType </com:_publicHolidayExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PublicHoliday">
   <xs:complexContent>
      <xs:extension base="com:SpecialDay">
         <xs:sequence>
            <xs:element name="publicHolidayName" type="com:MultilingualString" minOccurs="1" maxOccurs="1"/>
            <xs:element name="_publicHolidayExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: Reference

Super-types:	None
Sub-types:	None

Name	Reference
Abstract	no

XML Instance Representation

```
<...
 id="xs:string [1]"/>
```

Schema Component Representation

```
<xs:complexType name="Reference">
  <xs:attribute name="id" type="xs:string" use="required"/>
</xs:complexType>
```

top

Complex Type: SpecialDay

Super-types:	None
Sub-types:	• PublicHoliday (by extension)

Name	SpecialDay
Abstract	no
Documentation	Specification of a special type of day, possibly also a public holiday. Can be country or region specific.

XML Instance Representation

```
<...>
  <com:intersectWithApplicableDays> com:Boolean </com:intersectWithApplicableDays> [1] ?
  <com:specialDayType> com:_SpecialDayTypeEnum </com:specialDayType> [1] ?
  <com:publicEvent> com:_PublicEventTypeEnum </com:publicEvent> [0..1] ?
  <com:namedArea> com:NamedArea </com:namedArea> [0..*]
  <com:_specialDayExtension> com:_ExtensionType </com:_specialDayExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="SpecialDay">
  <xs:sequence>
    <xs:element name="intersectWithApplicableDays" type="com:Boolean" minOccurs="1" maxOccurs="1"/>
    <xs:element name="specialDayType" type="com:_SpecialDayTypeEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="publicEvent" type="com:_PublicEventTypeEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="namedArea" type="com:NamedArea" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_specialDayExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

top

Complex Type: SpeedValue

Super-types:	DataValue < **SpeedValue** (by extension)
Sub-types:	None

Name	SpeedValue
Abstract	no
Documentation	A measured or calculated value of speed.

XML Instance Representation

```
<...
 accuracy="com:Percentage [0..1] ?"
 computationalMethod="com:ComputationMethodEnum [0..1] ?"
 numberOfIncompleteInputs="com:NonNegativeInteger [0..1] ?"
 numberOfInputValuesUsed="com:NonNegativeInteger [0..1] ?"
 smoothingFactor="com:Float [0..1] ?"
 standardDeviation="com:Float [0..1] ?"
 supplierCalculatedDataQuality="com:Percentage [0..1] ?">
  <com:dataError> com:Boolean </com:dataError> [0..1] ?
  <com:reasonForDataError> com:MultilingualString </com:reasonForDataError> [0..1] ?
  <com:_dataValueExtension> com:_ExtensionType </com:_dataValueExtension> [0..1]
  <com:speed> com:KilometresPerHour </com:speed> [1] ?
  <com:_speedValueExtension> com:_ExtensionType </com:_speedValueExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="SpeedValue">
  <xs:complexContent>
    <xs:extension base="com:DataValue">
      <xs:sequence>
        <xs:element name="speed" type="com:KilometresPerHour" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_speedValueExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: TimePeriodOfDay

Super-types:	None
Sub-types:	None

Name	TimePeriodOfDay
Abstract	no
Documentation	Specification of a continuous period of time within a 24 hour period.

XML Instance Representation

```
<...>
   <com:startTimeOfPeriod> com:Time </com:startTimeOfPeriod> [1] ?
   <com:endTimeOfPeriod> com:Time </com:endTimeOfPeriod> [1] ?
   <com:_timePeriodOfDayExtension> com:_ExtensionType </com:_timePeriodOfDayExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TimePeriodOfDay">
   <xs:sequence>
      <xs:element name="startTimeOfPeriod" type="com:Time" minOccurs="1" maxOccurs="1"/>
      <xs:element name="endTimeOfPeriod" type="com:Time" minOccurs="1" maxOccurs="1"/>
      <xs:element name="_timePeriodOfDayExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: UrlLink

Super-types:	None
Sub-types:	None

Name	UrlLink
Abstract	no
Documentation	Details of a Uniform Resource Locator (URL) address pointing to a resource available on the Internet from where further relevant information may be obtained.

XML Instance Representation

```
<...>
   <com:urlLinkAddress> com:Url </com:urlLinkAddress> [1] ?
   <com:urlLinkDescription> com:MultilingualString </com:urlLinkDescription> [0..1] ?
   <com:urlLinkType> com:_UrlLinkTypeEnum </com:urlLinkType> [0..1] ?
   <com:_urlLinkExtension> com:_ExtensionType </com:_urlLinkExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="UrlLink">
   <xs:sequence>
      <xs:element name="urlLinkAddress" type="com:Url" minOccurs="1" maxOccurs="1"/>
      <xs:element name="urlLinkDescription" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="urlLinkType" type="com:_UrlLinkTypeEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="_urlLinkExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: Validity

Super-types:	None
Sub-types:	None

Name	Validity
Abstract	no
Documentation	Specification of validity, either explicitly or by a validity time period specification which may be discontinuous.

XML Instance Representation

```
<...>
   <com:validityStatus> com:_ValidityStatusEnum </com:validityStatus> [1] ?
   <com:overrunning> com:Boolean </com:overrunning> [0..1] ?
   <com:validityTimeSpecification> com:OverallPeriod </com:validityTimeSpecification> [1] ?
   <com:_validityExtension> com:_ExtensionType </com:_validityExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Validity">
   <xs:sequence>
      <xs:element name="validityStatus" type="com:_ValidityStatusEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="overrunning" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="validityTimeSpecification" type="com:OverallPeriod"/>
      <xs:element name="_validityExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: VehicleCharacteristics

Super-types:	None
Sub-types:	None

Name	VehicleCharacteristics
Abstract	no

Documentation The characteristics of a vehicle, e.g. lorry of gross weight greater than 30 tonnes.

XML Instance Representation

```
<...>
   <com:fuelType> com:_FuelTypeEnum </com:fuelType> [0..*] ?
   <com:loadType> com:_LoadTypeEnum </com:loadType> [0..1] ?
   <com:vehicleEquipment> com:_VehicleEquipmentEnum </com:vehicleEquipment> [0..1] ?
   <com:vehicleType> com:_VehicleTypeEnum </com:vehicleType> [0..*] ?
   <com:vehicleUsage> com:_VehicleUsageEnum </com:vehicleUsage> [0..1] ?
   <com:yearOfFirstRegistration> com:Year </com:yearOfFirstRegistration> [0..1] ?
   <com:grossWeightCharacteristic> com:GrossWeightCharacteristic </com:grossWeightCharacteristic> [0..2]
   <com:heightCharacteristic> com:HeightCharacteristic </com:heightCharacteristic> [0..2]
   <com:lengthCharacteristic> com:LengthCharacteristic </com:lengthCharacteristic> [0..2]
   <com:widthCharacteristic> com:WidthCharacteristic </com:widthCharacteristic> [0..2]
   <com:heaviestAxleWeightCharacteristic> com:HeaviestAxleWeightCharacteristic
   </com:heaviestAxleWeightCharacteristic> [0..2]
   <com:numberOfAxlesCharacteristic> com:NumberOfAxlesCharacteristic </com:numberOfAxlesCharacteristic> [0..2]
   <com:emissions> com:Emissions </com:emissions> [0..1]
   <com:_vehicleCharacteristicsExtension> com:_VehicleCharacteristicsExtensionType
   </com:_vehicleCharacteristicsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="VehicleCharacteristics">
   <xs:sequence>
      <xs:element name="fuelType" type="com:_FuelTypeEnum" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="loadType" type="com:_LoadTypeEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="vehicleEquipment" type="com:_VehicleEquipmentEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="vehicleType" type="com:_VehicleTypeEnum" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="vehicleUsage" type="com:_VehicleUsageEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="yearOfFirstRegistration" type="com:Year" minOccurs="0" maxOccurs="1"/>
      <xs:element name="grossWeightCharacteristic" type="com:GrossWeightCharacteristic" minOccurs="0" maxOccurs="2"/>
      <xs:element name="heightCharacteristic" type="com:HeightCharacteristic" minOccurs="0" maxOccurs="2"/>
      <xs:element name="lengthCharacteristic" type="com:LengthCharacteristic" minOccurs="0" maxOccurs="2"/>
      <xs:element name="widthCharacteristic" type="com:WidthCharacteristic" minOccurs="0" maxOccurs="2"/>
      <xs:element name="heaviestAxleWeightCharacteristic" type="com:HeaviestAxleWeightCharacteristic" minOccurs="0"
      maxOccurs="2"/>
      <xs:element name="numberOfAxlesCharacteristic" type="com:NumberOfAxlesCharacteristic" minOccurs="0"
      maxOccurs="2"/>
      <xs:element name="emissions" type="com:Emissions" minOccurs="0"/>
      <xs:element name="_vehicleCharacteristicsExtension" type="com:_VehicleCharacteristicsExtensionType"
      minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: VehicleFlowValue

Super-types:	DataValue < **VehicleFlowValue** (by extension)
Sub-types:	None

Name VehicleFlowValue

Abstract no

Documentation A measured or calculated value of the flow rate of vehicles.

XML Instance Representation

```
<...
 accuracy="com:Percentage [0..1] ?"
 computationalMethod="com:ComputationMethodEnum [0..1] ?"
 numberOfIncompleteInputs="com:NonNegativeInteger [0..1] ?"
 numberOfInputValuesUsed="com:NonNegativeInteger [0..1] ?"
 smoothingFactor="com:Float [0..1] ?"
 standardDeviation="com:Float [0..1] ?"
 supplierCalculatedDataQuality="com:Percentage [0..1] ?">
   <com:dataError> com:Boolean </com:dataError> [0..1] ?
   <com:reasonForDataError> com:MultilingualString </com:reasonForDataError> [0..1] ?
   <com:_dataValueExtension> com:_ExtensionType </com:_dataValueExtension> [0..1]
   <com:vehicleFlowRate> com:VehiclesPerHour </com:vehicleFlowRate> [1] ?
   <com:_vehicleFlowValueExtension> com:_ExtensionType </com:_vehicleFlowValueExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="VehicleFlowValue">
   <xs:complexContent>
      <xs:extension base="com:DataValue">
         <xs:sequence>
            <xs:element name="vehicleFlowRate" type="com:VehiclesPerHour" minOccurs="1" maxOccurs="1"/>
            <xs:element name="_vehicleFlowValueExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: VersionedReference

Super-types:	None
Sub-types:	None

Name VersionedReference

Abstract no

XML Instance Representation

```
<...
 id="xs:string [1]"
 version="xs:string [0..1]"/>
```

Schema Component Representation

```
<xs:complexType name="VersionedReference">
   <xs:attribute name="id" type="xs:string" use="required"/>
   <xs:attribute name="version" type="xs:string" use="optional"/>
</xs:complexType>
```

top

Complex Type: WidthCharacteristic

Super-types:	None
Sub-types:	None

Name WidthCharacteristic

Abstract no

Documentation Width characteristic of a vehicle.

XML Instance Representation

```
<...>
   <com:comparisonOperator> com:_ComparisonOperatorEnum </com:comparisonOperator> [1] ?
   <com:vehicleWidth> com:MetresAsFloat </com:vehicleWidth> [1] ?
   <com:_widthCharacteristicExtension> com:_ExtensionType </com:_widthCharacteristicExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="WidthCharacteristic">
   <xs:sequence>
      <xs:element name="comparisonOperator" type="com:_ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="vehicleWidth" type="com:MetresAsFloat" minOccurs="1" maxOccurs="1"/>
      <xs:element name="_widthCharacteristicExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: _CalendarWeekWithinMonthEnum

Super-types:	xs:string < CalendarWeekWithinMonthEnum (by restriction) < **_CalendarWeekWithinMonthEnum** (by extension)
Sub-types:	None

Name _CalendarWeekWithinMonthEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   com:CalendarWeekWithinMonthEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_CalendarWeekWithinMonthEnum">
   <xs:simpleContent>
      <xs:extension base="com:CalendarWeekWithinMonthEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ComparisonOperatorEnum

Super-types:	xs:string < ComparisonOperatorEnum (by restriction) < **_ComparisonOperatorEnum** (by extension)
Sub-types:	None

Name _ComparisonOperatorEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   com:ComparisonOperatorEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ComparisonOperatorEnum">
   <xs:simpleContent>
```

```
    <xs:extension base="com:ComparisonOperatorEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ComputationMethodEnum

Super-types:	xs:string < ComputationMethodEnum (by restriction) < **_ComputationMethodEnum** (by extension)
Sub-types:	None

Name	_ComputationMethodEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  com:ComputationMethodEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ComputationMethodEnum">
  <xs:simpleContent>
    <xs:extension base="com:ComputationMethodEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ConfidentialityValueEnum

Super-types:	xs:string < ConfidentialityValueEnum (by restriction) < **_ConfidentialityValueEnum** (by extension)
Sub-types:	None

Name	_ConfidentialityValueEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  com:ConfidentialityValueEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ConfidentialityValueEnum">
  <xs:simpleContent>
    <xs:extension base="com:ConfidentialityValueEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _DangerousGoodsRegulationsEnum

Super-types:	xs:string < DangerousGoodsRegulationsEnum (by restriction) < **_DangerousGoodsRegulationsEnum** (by extension)
Sub-types:	None

Name	_DangerousGoodsRegulationsEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  com:DangerousGoodsRegulationsEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_DangerousGoodsRegulationsEnum">
  <xs:simpleContent>
    <xs:extension base="com:DangerousGoodsRegulationsEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _DayEnum

Super-types:	xs:string < DayEnum (by restriction) < **_DayEnum** (by extension)
Sub-types:	None

Name _DayEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   com:DayEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_DayEnum">
   <xs:simpleContent>
      <xs:extension base="com:DayEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _DayWeekMonthExtensionType

Super-types:	None
Sub-types:	None

Name _DayWeekMonthExtensionType

Abstract no

XML Instance Representation

```
<...>
   <com:dayWeekMonthExtended> comx:DayWeekMonthExtended </com:dayWeekMonthExtended> [0..1]
   Allow any elements from a namespace other than this schema's namespace (lax validation). [0..*]
</...>
```

Schema Component Representation

```
<xs:complexType name="_DayWeekMonthExtensionType">
   <xs:sequence>
      <xs:element name="dayWeekMonthExtended" type="comx:DayWeekMonthExtended" minOccurs="0"/>
      <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: _EmissionClassificationEuroEnum

Super-types:	xs:string < EmissionClassificationEuroEnum (by restriction) < **_EmissionClassificationEuroEnum** (by extension)
Sub-types:	None

Name _EmissionClassificationEuroEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="com:_EmissionClassificationEuroEnumExtensionType [0..1]">
   com:EmissionClassificationEuroEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_EmissionClassificationEuroEnum">
   <xs:simpleContent>
      <xs:extension base="com:EmissionClassificationEuroEnum">
         <xs:attribute name="_extendedValue" type="com:_EmissionClassificationEuroEnumExtensionType"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _EmissionsExtensionType

Super-types:	None
Sub-types:	None

Name _EmissionsExtensionType

Abstract no

XML Instance Representation

```
<...>
   <com:emissionsExtension> comx:EmissionsExtension </com:emissionsExtension> [0..1]
   Allow any elements from a namespace other than this schema's namespace (lax validation). [0..*]
```

```
</...>
```

Schema Component Representation

```
<xs:complexType name="_EmissionsExtensionType">
   <xs:sequence>
      <xs:element name="emissionsExtension" type="comx:EmissionsExtension" minOccurs="0"/>
      <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: _ExtensionType

Super-types:	None
Sub-types:	None

Name	_ExtensionType
Abstract	no

XML Instance Representation

```
<...>
   Allow any elements from any namespace (lax validation). [0..*]
</...>
```

Schema Component Representation

```
<xs:complexType name="_ExtensionType">
   <xs:sequence>
      <xs:any namespace="##any" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: _FuelTypeEnum

Super-types:	xs:string < FuelTypeEnum (by restriction) < **_FuelTypeEnum** (by extension)
Sub-types:	None

Name	_FuelTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   com:FuelTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_FuelTypeEnum">
   <xs:simpleContent>
      <xs:extension base="com:FuelTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _HazardousMaterialsExtensionType

Super-types:	None
Sub-types:	None

Name	_HazardousMaterialsExtensionType
Abstract	no

XML Instance Representation

```
<...>
   <com:dangerousGoodsExtended> comx:DangerousGoodsExtended </com:dangerousGoodsExtended> [0..1]
   Allow any elements from a namespace other than this schema's namespace (lax validation). [0..*]
</...>
```

Schema Component Representation

```
<xs:complexType name="_HazardousMaterialsExtensionType">
   <xs:sequence>
      <xs:element name="dangerousGoodsExtended" type="comx:DangerousGoodsExtended" minOccurs="0"/>
      <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: _InformationDeliveryServicesEnum

Super-types:	xs:string < InformationDeliveryServicesEnum (by restriction) < **_InformationDeliveryServicesEnum** (by extension)
Sub-types:	None

Name _InformationDeliveryServicesEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  com:InformationDeliveryServicesEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_InformationDeliveryServicesEnum">
   <xs:simpleContent>
      <xs:extension base="com:InformationDeliveryServicesEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _InformationStatusEnum

Super-types:	xs:string < InformationStatusEnum (by restriction) < **_InformationStatusEnum** (by extension)
Sub-types:	None

Name _InformationStatusEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  com:InformationStatusEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_InformationStatusEnum">
   <xs:simpleContent>
      <xs:extension base="com:InformationStatusEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _InstanceOfDayEnum

Super-types:	xs:string < InstanceOfDayEnum (by restriction) < **_InstanceOfDayEnum** (by extension)
Sub-types:	None

Name _InstanceOfDayEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  com:InstanceOfDayEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_InstanceOfDayEnum">
   <xs:simpleContent>
      <xs:extension base="com:InstanceOfDayEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _LoadTypeEnum

Super-types:	xs:string < LoadTypeEnum (by restriction) < **_LoadTypeEnum** (by extension)
Sub-types:	None

Name _LoadTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="com:_LoadTypeEnumExtensionType [0..1]">
```

```
   com:LoadTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_LoadTypeEnum">
   <xs:simpleContent>
      <xs:extension base="com:LoadTypeEnum">
         <xs:attribute name="_extendedValue" type="com:_LoadTypeEnumExtensionType"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _LowEmissionLevelEnum

Super-types:	xs:string < LowEmissionLevelEnum (by restriction) < **_LowEmissionLevelEnum** (by extension)
Sub-types:	None

Name	_LowEmissionLevelEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   com:LowEmissionLevelEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_LowEmissionLevelEnum">
   <xs:simpleContent>
      <xs:extension base="com:LowEmissionLevelEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _MonthOfYearEnum

Super-types:	xs:string < MonthOfYearEnum (by restriction) < **_MonthOfYearEnum** (by extension)
Sub-types:	None

Name	_MonthOfYearEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   com:MonthOfYearEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_MonthOfYearEnum">
   <xs:simpleContent>
      <xs:extension base="com:MonthOfYearEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _PeriodExtensionType

Super-types:	None
Sub-types:	None

Name	_PeriodExtensionType
Abstract	no

XML Instance Representation

```
<...>
   <com:periodExtended> comx:PeriodExtended </com:periodExtended> [0..1]
   Allow any elements from a namespace other than this schema's namespace (lax validation). [0..*]
</...>
```

Schema Component Representation

```
<xs:complexType name="_PeriodExtensionType">
   <xs:sequence>
      <xs:element name="periodExtended" type="comx:PeriodExtended" minOccurs="0"/>
      <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: _PublicEventTypeEnum

Super-types:	xs:string < PublicEventTypeEnum (by restriction) < **_PublicEventTypeEnum** (by extension)
Sub-types:	None

Name _PublicEventTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   com:PublicEventTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_PublicEventTypeEnum">
   <xs:simpleContent>
      <xs:extension base="com:PublicEventTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _SpecialDayTypeEnum

Super-types:	xs:string < SpecialDayTypeEnum (by restriction) < **_SpecialDayTypeEnum** (by extension)
Sub-types:	None

Name _SpecialDayTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   com:SpecialDayTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_SpecialDayTypeEnum">
   <xs:simpleContent>
      <xs:extension base="com:SpecialDayTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _TimePrecisionEnum

Super-types:	xs:string < TimePrecisionEnum (by restriction) < **_TimePrecisionEnum** (by extension)
Sub-types:	None

Name _TimePrecisionEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   com:TimePrecisionEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_TimePrecisionEnum">
   <xs:simpleContent>
      <xs:extension base="com:TimePrecisionEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _UrlLinkTypeEnum

Super-types:	xs:string < UrlLinkTypeEnum (by restriction) < **_UrlLinkTypeEnum** (by extension)
Sub-types:	None

Name _UrlLinkTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  com:UrlLinkTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_UrlLinkTypeEnum">
  <xs:simpleContent>
    <xs:extension base="com:UrlLinkTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ValidityStatusEnum

Super-types:	xs:string < ValidityStatusEnum (by restriction) < **_ValidityStatusEnum** (by extension)
Sub-types:	None

Name _ValidityStatusEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  com:ValidityStatusEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ValidityStatusEnum">
  <xs:simpleContent>
    <xs:extension base="com:ValidityStatusEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _VehicleCharacteristicsExtensionType

Super-types:	None
Sub-types:	None

Name _VehicleCharacteristicsExtensionType

Abstract no

XML Instance Representation

```
<...>
  <com:vehicleCharacteristicsExtended> comx:VehicleCharacteristicsExtended </com:vehicleCharacteristicsExtended>
  [0..1]
  Allow any elements from a namespace other than this schema's namespace (lax validation). [0..*]
</...>
```

Schema Component Representation

```
<xs:complexType name="_VehicleCharacteristicsExtensionType">
  <xs:sequence>
    <xs:element name="vehicleCharacteristicsExtended" type="comx:VehicleCharacteristicsExtended" minOccurs="0"/>
    <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

top

Complex Type: _VehicleEquipmentEnum

Super-types:	xs:string < VehicleEquipmentEnum (by restriction) < **_VehicleEquipmentEnum** (by extension)
Sub-types:	None

Name _VehicleEquipmentEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="com:_VehicleEquipmentEnumExtensionType [0..1]">
  com:VehicleEquipmentEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_VehicleEquipmentEnum">
```

```
  <xs:simpleContent>
    <xs:extension base="com:VehicleEquipmentEnum">
      <xs:attribute name="_extendedValue" type="com:_VehicleEquipmentEnumExtensionType"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _VehicleTypeEnum

Super-types:	xs:string < VehicleTypeEnum (by restriction) < **_VehicleTypeEnum** (by extension)
Sub-types:	None

Name _VehicleTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="com:_VehicleTypeEnumExtensionType [0..1]">
  com:VehicleTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_VehicleTypeEnum">
  <xs:simpleContent>
    <xs:extension base="com:VehicleTypeEnum">
      <xs:attribute name="_extendedValue" type="com:_VehicleTypeEnumExtensionType"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _VehicleUsageEnum

Super-types:	xs:string < VehicleUsageEnum (by restriction) < **_VehicleUsageEnum** (by extension)
Sub-types:	None

Name _VehicleUsageEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="com:_VehicleUsageEnumExtensionType [0..1]">
  com:VehicleUsageEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_VehicleUsageEnum">
  <xs:simpleContent>
    <xs:extension base="com:VehicleUsageEnum">
      <xs:attribute name="_extendedValue" type="com:_VehicleUsageEnumExtensionType"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _WeightTypeEnum

Super-types:	xs:string < WeightTypeEnum (by restriction) < **_WeightTypeEnum** (by extension)
Sub-types:	None

Name _WeightTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="com:_WeightTypeEnumExtensionType [0..1]">
  com:WeightTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_WeightTypeEnum">
  <xs:simpleContent>
    <xs:extension base="com:WeightTypeEnum">
      <xs:attribute name="_extendedValue" type="com:_WeightTypeEnumExtensionType"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _WinterEquipmentManagementTypeEnum

Super-types:	xs:string < WinterEquipmentManagementTypeEnum (by restriction) < **_WinterEquipmentManagementTypeEnum** (by extension)
Sub-types:	None

Name _WinterEquipmentManagementTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  com:WinterEquipmentManagementTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_WinterEquipmentManagementTypeEnum">
  <xs:simpleContent>
    <xs:extension base="com:WinterEquipmentManagementTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Simple Type: AngleInDegrees

Super-types:	xs:nonNegativeInteger < NonNegativeInteger (by restriction) < **AngleInDegrees** (by restriction)
Sub-types:	None

Name AngleInDegrees

Content

- Base XSD Type: nonNegativeInteger
- 0 <= *value* <= 359

Documentation An integer number representing an angle in whole degrees between 0 and 359.

Schema Component Representation

```
<xs:simpleType name="AngleInDegrees">
  <xs:restriction base="com:NonNegativeInteger">
    <xs:minInclusive value="0"/>
    <xs:maxInclusive value="359"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: Base64Binary

Super-types:	xs:base64Binary < **Base64Binary** (by restriction)
Sub-types:	None

Name Base64Binary

Content

- Base XSD Type: base64Binary

Documentation Binary data in base 64 encoding, for example for image data.

Schema Component Representation

```
<xs:simpleType name="Base64Binary">
  <xs:restriction base="xs:base64Binary"/>
</xs:simpleType>
```

top

Simple Type: Boolean

Super-types:	xs:boolean < **Boolean** (by restriction)
Sub-types:	None

Name Boolean

Content

- Base XSD Type: boolean

Documentation Boolean has the value space required to support the mathematical concept of binary-valued logic: {true, false}.

Schema Component Representation

```
<xs:simpleType name="Boolean">
  <xs:restriction base="xs:boolean"/>
</xs:simpleType>
```

top

Simple Type: CalendarWeekWithinMonthEnum

Super-types: xs:string < **CalendarWeekWithinMonthEnum** (by restriction)

Sub-types:
- _CalendarWeekWithinMonthEnum (by extension)

Name CalendarWeekWithinMonthEnum

Content
- Base XSD Type: string
- *value* comes from list: {'firstWeek'|'secondWeek'|'thirdWeek'|'fourthWeek'|'fifthWeek'|'sixthWeek'|'lastWeek'|'_extended'}

Documentation Calendar week within month (see ISO8601).

Schema Component Representation

```
<xs:simpleType name="CalendarWeekWithinMonthEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="firstWeek"/>
      <xs:enumeration value="secondWeek"/>
      <xs:enumeration value="thirdWeek"/>
      <xs:enumeration value="fourthWeek"/>
      <xs:enumeration value="fifthWeek"/>
      <xs:enumeration value="sixthWeek"/>
      <xs:enumeration value="lastWeek"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ComparisonOperatorEnum

Super-types: xs:string < **ComparisonOperatorEnum** (by restriction)

Sub-types:
- _ComparisonOperatorEnum (by extension)

Name ComparisonOperatorEnum

Content
- Base XSD Type: string
- *value* comes from list: {'equalTo'|'greaterThan'|'greaterThanOrEqualTo'|'lessThan'|'lessThanOrEqualTo'|'_extended'}

Documentation Logical comparison operations.

Schema Component Representation

```
<xs:simpleType name="ComparisonOperatorEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="equalTo"/>
      <xs:enumeration value="greaterThan"/>
      <xs:enumeration value="greaterThanOrEqualTo"/>
      <xs:enumeration value="lessThan"/>
      <xs:enumeration value="lessThanOrEqualTo"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ComputationMethodEnum

Super-types: xs:string < **ComputationMethodEnum** (by restriction)

Sub-types:
- _ComputationMethodEnum (by extension)

Name ComputationMethodEnum

Content
- Base XSD Type: string
- *value* comes from list: {'arithmeticAverageOfSamplesBasedOnAFixedNumberOfSamples'|'arithmeticAverageOfSamplesInATimePeriod'|'harmonicAverageOfSamplesInATin

Documentation Types of computational methods used in deriving data values for data sets.

Schema Component Representation

```
<xs:simpleType name="ComputationMethodEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="arithmeticAverageOfSamplesBasedOnAFixedNumberOfSamples"/>
      <xs:enumeration value="arithmeticAverageOfSamplesInATimePeriod"/>
      <xs:enumeration value="harmonicAverageOfSamplesInATimePeriod"/>
      <xs:enumeration value="medianOfSamplesInATimePeriod"/>
      <xs:enumeration value="movingAverageOfSamples"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ConfidentialityValueEnum

Super-types: xs:string < **ConfidentialityValueEnum** (by restriction)

Sub-types:
- _ConfidentialityValueEnum (by extension)

Name ConfidentialityValueEnum

Content

- Base XSD Type: string
- *value* comes from list: {'internalUse'|'noRestriction'|'restrictedToAuthorities'|'restrictedToAuthoritiesAndTrafficOperators'|'_extended'}

Documentation Values of confidentiality.

Schema Component Representation

```
<xs:simpleType name="ConfidentialityValueEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="internalUse"/>
      <xs:enumeration value="noRestriction"/>
      <xs:enumeration value="restrictedToAuthorities"/>
      <xs:enumeration value="restrictedToAuthoritiesAndTrafficOperators"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: CountryCode

Super-types:	xs:string < String (by restriction) < **CountryCode** (by restriction)
Sub-types:	None

Name CountryCode

Content

- Base XSD Type: string
- *length* <= 1024
- *length* <= 2

Documentation EN ISO 3166-1 alpha-2 two-letter country code

Schema Component Representation

```
<xs:simpleType name="CountryCode">
   <xs:restriction base="com:String">
      <xs:maxLength value="2"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: CubicMetres

Super-types:	xs:float < Float (by restriction) < **CubicMetres** (by restriction)
Sub-types:	None

Name CubicMetres

Content

- Base XSD Type: float

Documentation A volumetric measure defined in cubic metres.

Schema Component Representation

```
<xs:simpleType name="CubicMetres">
   <xs:restriction base="com:Float"/>
</xs:simpleType>
```

top

Simple Type: DangerousGoodsRegulationsEnum

Super-types:	xs:string < **DangerousGoodsRegulationsEnum** (by restriction)
Sub-types:	_DangerousGoodsRegulationsEnum (by extension)

Name DangerousGoodsRegulationsEnum

Content

- Base XSD Type: string
- *value* comes from list: {'adr'|'iataIcao'|'imoImdg'|'railroadDangerousGoodsBook'|'_extended'}

Documentation Types of dangerous goods regulations.

Schema Component Representation

```
<xs:simpleType name="DangerousGoodsRegulationsEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="adr"/>
      <xs:enumeration value="iataIcao"/>
      <xs:enumeration value="imoImdg"/>
      <xs:enumeration value="railroadDangerousGoodsBook"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: Date

Super-types:	xs:date < **Date** (by restriction)
Sub-types:	None

Name Date

Content

- Base XSD Type: date

Documentation A combination of year, month and day integer-valued properties plus an optional timezone property. It represents an interval of exactly one day, beginning on the first moment of the day in the timezone, i.e. '00:00:00' up to but not including '24:00:00'.

Schema Component Representation

```
<xs:simpleType name="Date">
   <xs:restriction base="xs:date"/>
</xs:simpleType>
```

top

Simple Type: DateTime

Super-types:	xs:dateTime < **DateTime** (by restriction)
Sub-types:	None

Name DateTime

Content

- Base XSD Type: dateTime

Documentation A combination of integer-valued year, month, day, hour, minute properties, a decimal-valued second property and a time zone property from which it is possible to determine the local time, the equivalent UTC time and the time zone offset from UTC.

Schema Component Representation

```
<xs:simpleType name="DateTime">
   <xs:restriction base="xs:dateTime"/>
</xs:simpleType>
```

top

Simple Type: DayEnum

Super-types:	xs:string < **DayEnum** (by restriction)
Sub-types:	• _DayEnum (by extension)

Name DayEnum

Content

- Base XSD Type: string
- *value* comes from list: {'monday'|'tuesday'|'wednesday'|'thursday'|'friday'|'saturday'|'sunday'|'_extended'}

Documentation Days of the week.

Schema Component Representation

```
<xs:simpleType name="DayEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="monday"/>
      <xs:enumeration value="tuesday"/>
      <xs:enumeration value="wednesday"/>
      <xs:enumeration value="thursday"/>
      <xs:enumeration value="friday"/>
      <xs:enumeration value="saturday"/>
      <xs:enumeration value="sunday"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: Decimal

Super-types:	xs:decimal < **Decimal** (by restriction)
Sub-types:	None

Name Decimal

Content

- Base XSD Type: decimal

Documentation A decimal number whose value space is the set of numbers that can be obtained by multiplying an integer by a non-positive power of ten, i.e., expressible as i × 10^-n where i and n are integers and n >= 0.

Schema Component Representation

```
<xs:simpleType name="Decimal">
   <xs:restriction base="xs:decimal"/>
</xs:simpleType>
```

top

Simple Type: EmissionClassificationEuroEnum

Super-types:	xs:string < **EmissionClassificationEuroEnum** (by restriction)
Sub-types:	• _EmissionClassificationEuroEnum (by extension)

Name EmissionClassificationEuroEnum

Content

- Base XSD Type: string
- *value* comes from list:
  {'euro5'|'euro5a'|'euro5b'|'euro6'|'euro6a'|'euro6b'|'euro6c'|'euroV'|'euroVI'|'other'|'_extended'}

Documentation Classification of emission according to the Euro emission classification (based on serveral amendments on 1970 Directive 70/220/EEC). Note htat vehicleType as well as fuelType are mandatory to provide to make this classification explicit.

Schema Component Representation

```
<xs:simpleType name="EmissionClassificationEuroEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="euro5"/>
    <xs:enumeration value="euro5a"/>
    <xs:enumeration value="euro5b"/>
    <xs:enumeration value="euro6"/>
    <xs:enumeration value="euro6a"/>
    <xs:enumeration value="euro6b"/>
    <xs:enumeration value="euro6c"/>
    <xs:enumeration value="euroV"/>
    <xs:enumeration value="euroVI"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: Float

Super-types:	xs:float < **Float** (by restriction)
Sub-types:	• CubicMetres (by restriction) • KilometresPerHour (by restriction) • MetresAsFloat (by restriction) • Percentage (by restriction) • Seconds (by restriction) • TemperatureCelsius (by restriction) • Tonnes (by restriction)

Name Float

Content

- Base XSD Type: float

Documentation A floating point number whose value space consists of the values m × 2^e, where m is an integer whose absolute value is less than 2^24, and e is an integer between -149 and 104, inclusive.

Schema Component Representation

```
<xs:simpleType name="Float">
  <xs:restriction base="xs:float"/>
</xs:simpleType>
```

top

Simple Type: FuelTypeEnum

Super-types:	xs:string < **FuelTypeEnum** (by restriction)
Sub-types:	• _FuelTypeEnum (by extension)

Name FuelTypeEnum

Content

- Base XSD Type: string
- *value* comes from list:
  {'all'|'battery'|'biodiesel'|'diesel'|'dieselBatteryHybrid'|'ethanol'|'hydrogen'|'liquidGas'|'lpg'|'methane'|'petrol'|'petrol95Octane'|'petrol98Octane'|'petrolBatt

Documentation Type of fuel used by a vehicle.

Schema Component Representation

```
<xs:simpleType name="FuelTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="all"/>
    <xs:enumeration value="battery"/>
    <xs:enumeration value="biodiesel"/>
    <xs:enumeration value="diesel"/>
    <xs:enumeration value="dieselBatteryHybrid"/>
    <xs:enumeration value="ethanol"/>
    <xs:enumeration value="hydrogen"/>
    <xs:enumeration value="liquidGas"/>
    <xs:enumeration value="lpg"/>
    <xs:enumeration value="methane"/>
    <xs:enumeration value="petrol"/>
```

```
    <xs:enumeration value="petrol95Octane"/>
    <xs:enumeration value="petrol98Octane"/>
    <xs:enumeration value="petrolBatteryHybrid"/>
    <xs:enumeration value="petrolLeaded"/>
    <xs:enumeration value="petrolUnleaded"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: InformationDeliveryServicesEnum

Super-types:	xs:string < **InformationDeliveryServicesEnum** (by restriction)
Sub-types:	• _InformationDeliveryServicesEnum (by extension)

Name InformationDeliveryServicesEnum

Content

- Base XSD Type: string
- *value* comes from list: {'anyGeneralDeliveryService'|'safetyServices'|'vms'|'_extended'}

Documentation List of service channels or devices on which information or data exchanged can be delivered.

Schema Component Representation

```
<xs:simpleType name="InformationDeliveryServicesEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="anyGeneralDeliveryService"/>
    <xs:enumeration value="safetyServices"/>
    <xs:enumeration value="vms"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: InformationStatusEnum

Super-types:	xs:string < **InformationStatusEnum** (by restriction)
Sub-types:	• _InformationStatusEnum (by extension)

Name InformationStatusEnum

Content

- Base XSD Type: string
- *value* comes from list: {'real'|'securityExercise'|'technicalExercise'|'test'|'_extended'}

Documentation Status of the related information (i.e. real, test or exercise).

Schema Component Representation

```
<xs:simpleType name="InformationStatusEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="real"/>
    <xs:enumeration value="securityExercise"/>
    <xs:enumeration value="technicalExercise"/>
    <xs:enumeration value="test"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: InstanceOfDayEnum

Super-types:	xs:string < **InstanceOfDayEnum** (by restriction)
Sub-types:	• _InstanceOfDayEnum (by extension)

Name InstanceOfDayEnum

Content

- Base XSD Type: string
- *value* comes from list: {'firstInstance'|'secondInstance'|'thirdInstance'|'fourthInstance'|'fifthInstance'|'lastInstance'|'_extended'}

Documentation Instances of a day of the week in a month

Schema Component Representation

```
<xs:simpleType name="InstanceOfDayEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="firstInstance"/>
    <xs:enumeration value="secondInstance"/>
    <xs:enumeration value="thirdInstance"/>
    <xs:enumeration value="fourthInstance"/>
    <xs:enumeration value="fifthInstance"/>
    <xs:enumeration value="lastInstance"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
```

```
</xs:simpleType>
```

top

Simple Type: Integer

Super-types:	xs:integer < **Integer** (by restriction)
Sub-types:	None

Name Integer

Content

- Base XSD Type: integer

Documentation An integer number whose value space is the set {-2147483648, -2147483647, -2147483646, ..., -2, -1, 0, 1, 2, ..., 2147483645, 2147483646, 2147483647}.

Schema Component Representation

```
<xs:simpleType name="Integer">
   <xs:restriction base="xs:integer"/>
</xs:simpleType>
```

top

Simple Type: KilometresPerHour

Super-types:	xs:float < Float (by restriction) < **KilometresPerHour** (by restriction)
Sub-types:	None

Name KilometresPerHour

Content

- Base XSD Type: float

Documentation A measure of speed defined in kilometres per hour.

Schema Component Representation

```
<xs:simpleType name="KilometresPerHour">
   <xs:restriction base="com:Float"/>
</xs:simpleType>
```

top

Simple Type: Language

Super-types:	xs:language < **Language** (by restriction)
Sub-types:	None

Name Language

Content

- Base XSD Type: language

Documentation A language datatype, identifies a specified language by an ISO 639-1 2-alpha code.

Schema Component Representation

```
<xs:simpleType name="Language">
   <xs:restriction base="xs:language"/>
</xs:simpleType>
```

top

Simple Type: LoadTypeEnum

Super-types:	xs:string < **LoadTypeEnum** (by restriction)
Sub-types:	_LoadTypeEnum (by extension)

Name LoadTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'abnormalLoad'|'ammunition'|'chemicals'|'combustibleMaterials'|'corrosiveMaterials'|'debris'|'empty'|'explosiveMaterials'|'extraHighLoad'|'extraLongLo

Documentation Types of load carried by a vehicle.

Schema Component Representation

```
<xs:simpleType name="LoadTypeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="abnormalLoad"/>
      <xs:enumeration value="ammunition"/>
      <xs:enumeration value="chemicals"/>
      <xs:enumeration value="combustibleMaterials"/>
      <xs:enumeration value="corrosiveMaterials"/>
      <xs:enumeration value="debris"/>
      <xs:enumeration value="empty"/>
      <xs:enumeration value="explosiveMaterials"/>
      <xs:enumeration value="extraHighLoad"/>
      <xs:enumeration value="extraLongLoad"/>
      <xs:enumeration value="extraWideLoad"/>
```

```
      <xs:enumeration value="fuel"/>
      <xs:enumeration value="glass"/>
      <xs:enumeration value="goods"/>
      <xs:enumeration value="hazardousMaterials"/>
      <xs:enumeration value="liquid"/>
      <xs:enumeration value="livestock"/>
      <xs:enumeration value="materials"/>
      <xs:enumeration value="materialsDangerousForPeople"/>
      <xs:enumeration value="materialsDangerousForTheEnvironment"/>
      <xs:enumeration value="materialsDangerousForWater"/>
      <xs:enumeration value="oil"/>
      <xs:enumeration value="ordinary"/>
      <xs:enumeration value="perishableProducts"/>
      <xs:enumeration value="petrol"/>
      <xs:enumeration value="pharmaceuticalMaterials"/>
      <xs:enumeration value="radioactiveMaterials"/>
      <xs:enumeration value="refrigeratedGoods"/>
      <xs:enumeration value="refuse"/>
      <xs:enumeration value="toxicMaterials"/>
      <xs:enumeration value="vehicles"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: LongString

Super-types:	xs:string < **LongString** (by restriction)
Sub-types:	None

Name LongString

Content

- Base XSD Type: string

Documentation A character string with no specified length limit, whose value space is the set of finite-length sequences of characters. Every character has a corresponding Universal Character Set code point (as defined in ISO/IEC 10646), which is an integer.

Schema Component Representation

```
<xs:simpleType name="LongString">
   <xs:restriction base="xs:string"/>
</xs:simpleType>
```

top

Simple Type: LowEmissionLevelEnum

Super-types:	xs:string < **LowEmissionLevelEnum** (by restriction)
Sub-types:	• _LowEmissionLevelEnum (by extension)

Name LowEmissionLevelEnum

Content

- Base XSD Type: string
- *value* comes from list: {'lowLevelEmission'|'freeOfEmission'|'_extended'}

Documentation The emission level of a vehicle.

Schema Component Representation

```
<xs:simpleType name="LowEmissionLevelEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="lowLevelEmission"/>
      <xs:enumeration value="freeOfEmission"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: MetresAsFloat

Super-types:	xs:float < Float (by restriction) < **MetresAsFloat** (by restriction)
Sub-types:	None

Name MetresAsFloat

Content

- Base XSD Type: float

Documentation A measure of distance defined in metres in a floating point format.

Schema Component Representation

```
<xs:simpleType name="MetresAsFloat">
   <xs:restriction base="com:Float"/>
</xs:simpleType>
```

top

Simple Type: MetresAsNonNegativeInteger

Super-types:	xs:nonNegativeInteger < NonNegativeInteger (by restriction) < **MetresAsNonNegativeInteger** (by restriction)
Sub-types:	None

Name MetresAsNonNegativeInteger

Content

- Base XSD Type: nonNegativeInteger

Documentation A measure of distance defined in metres in a non negative integer format.

Schema Component Representation

```
<xs:simpleType name="MetresAsNonNegativeInteger">
   <xs:restriction base="com:NonNegativeInteger"/>
</xs:simpleType>
```

top

Simple Type: MonthOfYearEnum

Super-types:	xs:string < **MonthOfYearEnum** (by restriction)
Sub-types:	• _MonthOfYearEnum (by extension)

Name MonthOfYearEnum

Content

- Base XSD Type: string
- *value* comes from list: {'january'|'february'|'march'|'april'|'may'|'june'|'july'|'august'|'september'|'october'|'november'|'december'|'_extended'}

Documentation A list of the months of the year.

Schema Component Representation

```
<xs:simpleType name="MonthOfYearEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="january"/>
      <xs:enumeration value="february"/>
      <xs:enumeration value="march"/>
      <xs:enumeration value="april"/>
      <xs:enumeration value="may"/>
      <xs:enumeration value="june"/>
      <xs:enumeration value="july"/>
      <xs:enumeration value="august"/>
      <xs:enumeration value="september"/>
      <xs:enumeration value="october"/>
      <xs:enumeration value="november"/>
      <xs:enumeration value="december"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: MultilingualStringValueType

Super-types:	xs:string < **MultilingualStringValueType** (by restriction)
Sub-types:	• MultilingualStringValue (by extension)

Name MultilingualStringValueType

Content

- Base XSD Type: string
- *length* <= 1024

Schema Component Representation

```
<xs:simpleType name="MultilingualStringValueType">
   <xs:restriction base="xs:string">
      <xs:maxLength value="1024"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: NonNegativeInteger

Super-types:	xs:nonNegativeInteger < **NonNegativeInteger** (by restriction)
Sub-types:	• AngleInDegrees (by restriction) • MetresAsNonNegativeInteger (by restriction) • VehiclesPerHour (by restriction) • Year (by restriction)

Name NonNegativeInteger

Content

- Base XSD Type: nonNegativeInteger

Documentation An integer number whose value space is the set {0, 1, 2, ..., 2147483645, 2147483646, 2147483647}.

Schema Component Representation

```
<xs:simpleType name="NonNegativeInteger">
  <xs:restriction base="xs:nonNegativeInteger"/>
</xs:simpleType>
```

top

Simple Type: Percentage

Super-types:	xs:float < Float (by restriction) < **Percentage** (by restriction)
Sub-types:	None

Name Percentage

Content

- Base XSD Type: float

Documentation A measure of percentage.

Schema Component Representation

```
<xs:simpleType name="Percentage">
  <xs:restriction base="com:Float"/>
</xs:simpleType>
```

top

Simple Type: PublicEventTypeEnum

Super-types:	xs:string < **PublicEventTypeEnum** (by restriction)
Sub-types:	_PublicEventTypeEnum (by extension)

Name PublicEventTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'agriculturalShow'|'airShow'|'artEvent'|'athleticsMeeting'|'commercialEvent'|'culturalEvent'|'ballGame'|'baseballGame'|'basketballGame'|'beerFestival'|

Documentation Types of public events.

Schema Component Representation

```
<xs:simpleType name="PublicEventTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="agriculturalShow"/>
    <xs:enumeration value="airShow"/>
    <xs:enumeration value="artEvent"/>
    <xs:enumeration value="athleticsMeeting"/>
    <xs:enumeration value="commercialEvent"/>
    <xs:enumeration value="culturalEvent"/>
    <xs:enumeration value="ballGame"/>
    <xs:enumeration value="baseballGame"/>
    <xs:enumeration value="basketballGame"/>
    <xs:enumeration value="beerFestival"/>
    <xs:enumeration value="bicycleRace"/>
    <xs:enumeration value="boatRace"/>
    <xs:enumeration value="boatShow"/>
    <xs:enumeration value="boxingTournament"/>
    <xs:enumeration value="bullFight"/>
    <xs:enumeration value="ceremonialEvent"/>
    <xs:enumeration value="concert"/>
    <xs:enumeration value="cricketMatch"/>
    <xs:enumeration value="exhibition"/>
    <xs:enumeration value="fair"/>
    <xs:enumeration value="festival"/>
    <xs:enumeration value="filmFestival"/>
    <xs:enumeration value="filmTVMaking"/>
    <xs:enumeration value="fireworkDisplay"/>
    <xs:enumeration value="flowerEvent"/>
    <xs:enumeration value="foodFestival"/>
    <xs:enumeration value="footballMatch"/>
    <xs:enumeration value="funfair"/>
    <xs:enumeration value="gardeningOrFlowerShow"/>
    <xs:enumeration value="golfTournament"/>
    <xs:enumeration value="hockeyGame"/>
    <xs:enumeration value="horseRaceMeeting"/>
    <xs:enumeration value="internationalSportsMeeting"/>
    <xs:enumeration value="majorEvent"/>
    <xs:enumeration value="marathon"/>
    <xs:enumeration value="market"/>
    <xs:enumeration value="match"/>
    <xs:enumeration value="motorShow"/>
    <xs:enumeration value="motorSportRaceMeeting"/>
    <xs:enumeration value="openAirConcert"/>
    <xs:enumeration value="parade"/>
    <xs:enumeration value="procession"/>
    <xs:enumeration value="raceMeeting"/>
    <xs:enumeration value="rugbyMatch"/>
    <xs:enumeration value="severalMajorEvents"/>
    <xs:enumeration value="show"/>
    <xs:enumeration value="showJumping"/>
    <xs:enumeration value="soundAndLightShow"/>
    <xs:enumeration value="sportsMeeting"/>
    <xs:enumeration value="stateOccasion"/>
    <xs:enumeration value="streetFestival"/>
    <xs:enumeration value="tennisTournament"/>
    <xs:enumeration value="theatricalEvent"/>
    <xs:enumeration value="tournament"/>
```

```
      <xs:enumeration value="tradeFair"/>
      <xs:enumeration value="waterSportsMeeting"/>
      <xs:enumeration value="wineFestival"/>
      <xs:enumeration value="winterSportsMeeting"/>
      <xs:enumeration value="unknown"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: Seconds

Super-types:	xs:float < Float (by restriction) < **Seconds** (by restriction)
Sub-types:	None

Name Seconds

Content

- Base XSD Type: float

Documentation Seconds.

Schema Component Representation

```
<xs:simpleType name="Seconds">
   <xs:restriction base="com:Float"/>
</xs:simpleType>
```

top

Simple Type: SpecialDayTypeEnum

Super-types:	xs:string < **SpecialDayTypeEnum** (by restriction)
Sub-types:	• _SpecialDayTypeEnum (by extension)

Name SpecialDayTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'dayBeforePublicHoliday'|'publicHoliday'|'dayFollowingPublicHoliday'|'longWeekendDay'|'inLieuOfPublicHoliday'|'schoolDay'|'schoolHolidays'|'publicE

Documentation Collection of special types of days.

Schema Component Representation

```
<xs:simpleType name="SpecialDayTypeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="dayBeforePublicHoliday"/>
      <xs:enumeration value="publicHoliday"/>
      <xs:enumeration value="dayFollowingPublicHoliday"/>
      <xs:enumeration value="longWeekendDay"/>
      <xs:enumeration value="inLieuOfPublicHoliday"/>
      <xs:enumeration value="schoolDay"/>
      <xs:enumeration value="schoolHolidays"/>
      <xs:enumeration value="publicEventDay"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: String

Super-types:	xs:string < **String** (by restriction)
Sub-types:	• CountryCode (by restriction)

Name String

Content

- Base XSD Type: string
- *length* <= 1024

Documentation A character string whose value space is the set of finite-length sequences of characters. Every character has a corresponding Universal Character Set code point (as defined in ISO/IEC 10646), which is an integer.

Schema Component Representation

```
<xs:simpleType name="String">
   <xs:restriction base="xs:string">
      <xs:maxLength value="1024"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: TemperatureCelsius

Super-types:	xs:float < Float (by restriction) < **TemperatureCelsius** (by restriction)

Sub-types:	None

Name TemperatureCelsius

Content

- Base XSD Type: float

Documentation A measure of temperature defined in degrees Celsius.

Schema Component Representation

```
<xs:simpleType name="TemperatureCelsius">
   <xs:restriction base="com:Float"/>
</xs:simpleType>
```

top

Simple Type: Time

Super-types:	xs:time < **Time** (by restriction)
Sub-types:	None

Name Time

Content

- Base XSD Type: time

Documentation An instant of time that recurs every day. The value space of time is the space of time of day values as defined in § 5.3 of [ISO 8601]. Specifically, it is a set of zero-duration daily time instances.

Schema Component Representation

```
<xs:simpleType name="Time">
   <xs:restriction base="xs:time"/>
</xs:simpleType>
```

top

Simple Type: TimePrecisionEnum

Super-types:	xs:string < **TimePrecisionEnum** (by restriction)
Sub-types:	• _TimePrecisionEnum (by extension)

Name TimePrecisionEnum

Content

- Base XSD Type: string
- *value* comes from list: {'tenthsOfSecond'|'second'|'minute'|'quarterHour'|'halfHour'|'hour'|'_extended'}

Documentation List of precisions to which times can be given.

Schema Component Representation

```
<xs:simpleType name="TimePrecisionEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="tenthsOfSecond"/>
      <xs:enumeration value="second"/>
      <xs:enumeration value="minute"/>
      <xs:enumeration value="quarterHour"/>
      <xs:enumeration value="halfHour"/>
      <xs:enumeration value="hour"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: Tonnes

Super-types:	xs:float < Float (by restriction) < **Tonnes** (by restriction)
Sub-types:	None

Name Tonnes

Content

- Base XSD Type: float

Documentation A measure of weight defined in metric tonnes.

Schema Component Representation

```
<xs:simpleType name="Tonnes">
   <xs:restriction base="com:Float"/>
</xs:simpleType>
```

top

Simple Type: Url

Super-types:	xs:anyURI < **Url** (by restriction)
Sub-types:	None

Name Url

Content

- Base XSD Type: anyURI

Documentation A Uniform Resource Locator (URL) address comprising a compact string of characters for a resource available on the Internet.

Schema Component Representation

```
<xs:simpleType name="Url">
   <xs:restriction base="xs:anyURI"/>
</xs:simpleType>
```

top

Simple Type: UrlLinkTypeEnum

Super-types: xs:string < **UrlLinkTypeEnum** (by restriction)

Sub-types:

- _UrlLinkTypeEnum (by extension)

Name UrlLinkTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'documentPdf'|'html'|'image'|'rss'|'videoStream'|'voiceStream'|'other'|'_extended'}

Documentation Types of URL links.

Schema Component Representation

```
<xs:simpleType name="UrlLinkTypeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="documentPdf"/>
      <xs:enumeration value="html"/>
      <xs:enumeration value="image"/>
      <xs:enumeration value="rss"/>
      <xs:enumeration value="videoStream"/>
      <xs:enumeration value="voiceStream"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ValidityStatusEnum

Super-types: xs:string < **ValidityStatusEnum** (by restriction)

Sub-types:

- _ValidityStatusEnum (by extension)

Name ValidityStatusEnum

Content

- Base XSD Type: string
- *value* comes from list: {'active'|'planned'|'suspended'|'definedByValidityTimeSpec'|'_extended'}

Documentation Values of validity status that can be assigned to a described event, action or item.

Schema Component Representation

```
<xs:simpleType name="ValidityStatusEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="active"/>
      <xs:enumeration value="planned"/>
      <xs:enumeration value="suspended"/>
      <xs:enumeration value="definedByValidityTimeSpec"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: VehicleEquipmentEnum

Super-types: xs:string < **VehicleEquipmentEnum** (by restriction)

Sub-types:

- _VehicleEquipmentEnum (by extension)

Name VehicleEquipmentEnum

Content

- Base XSD Type: string
- *value* comes from list: {'notUsingSnowChains'|'notUsingSnowChainsOrTyres'|'snowChainsInUse'|'snowTyresInUse'|'snowChainsOrTyresInUse'|'withoutSnowTyresOrChains

Documentation Types of vehicle equipment in use or on board.

Schema Component Representation

```
<xs:simpleType name="VehicleEquipmentEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="notUsingSnowChains"/>
      <xs:enumeration value="notUsingSnowChainsOrTyres"/>
```

```
      <xs:enumeration value="snowChainsInUse"/>
      <xs:enumeration value="snowTyresInUse"/>
      <xs:enumeration value="snowChainsOrTyresInUse"/>
      <xs:enumeration value="withoutSnowTyresOrChainsOnBoard"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: VehicleTypeEnum

Super-types:	xs:string < **VehicleTypeEnum** (by restriction)
Sub-types:	• _VehicleTypeEnum (by extension)

Name VehicleTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'agriculturalVehicle'|'anyVehicle'|'articulatedBus'|'articulatedTrolleyBus'|'articulatedVehicle'|'bicycle'|'bus'|'car'|'caravan'|'carOrLightVehicle'|'carWithCa

Documentation Types of vehicle.

Schema Component Representation

```
<xs:simpleType name="VehicleTypeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="agriculturalVehicle"/>
      <xs:enumeration value="anyVehicle"/>
      <xs:enumeration value="articulatedBus"/>
      <xs:enumeration value="articulatedTrolleyBus"/>
      <xs:enumeration value="articulatedVehicle"/>
      <xs:enumeration value="bicycle"/>
      <xs:enumeration value="bus"/>
      <xs:enumeration value="car"/>
      <xs:enumeration value="caravan"/>
      <xs:enumeration value="carOrLightVehicle"/>
      <xs:enumeration value="carWithCaravan"/>
      <xs:enumeration value="carWithTrailer"/>
      <xs:enumeration value="constructionOrMaintenanceVehicle"/>
      <xs:enumeration value="fourWheelDrive"/>
      <xs:enumeration value="heavyGoodsVehicle"/>
      <xs:enumeration value="heavyGoodsVehicleWithTrailer"/>
      <xs:enumeration value="heavyDutyTransporter"/>
      <xs:enumeration value="heavyVehicle"/>
      <xs:enumeration value="highSidedVehicle"/>
      <xs:enumeration value="lightCommercialVehicle"/>
      <xs:enumeration value="largeCar"/>
      <xs:enumeration value="largeGoodsVehicle"/>
      <xs:enumeration value="lightCommercialVehicleWithTrailer"/>
      <xs:enumeration value="longHeavyLorry"/>
      <xs:enumeration value="lorry"/>
      <xs:enumeration value="metro"/>
      <xs:enumeration value="minibus"/>
      <xs:enumeration value="moped"/>
      <xs:enumeration value="motorcycle"/>
      <xs:enumeration value="motorcycleWithSideCar"/>
      <xs:enumeration value="motorhome"/>
      <xs:enumeration value="motorscooter"/>
      <xs:enumeration value="passengerCar"/>
      <xs:enumeration value="smallCar"/>
      <xs:enumeration value="tanker"/>
      <xs:enumeration value="threeWheeledVehicle"/>
      <xs:enumeration value="trailer"/>
      <xs:enumeration value="tram"/>
      <xs:enumeration value="trolleyBus"/>
      <xs:enumeration value="twoWheeledVehicle"/>
      <xs:enumeration value="van"/>
      <xs:enumeration value="vehicleWithCaravan"/>
      <xs:enumeration value="vehicleWithCatalyticConverter"/>
      <xs:enumeration value="vehicleWithoutCatalyticConverter"/>
      <xs:enumeration value="vehicleWithTrailer"/>
      <xs:enumeration value="withEvenNumberedRegistrationPlates"/>
      <xs:enumeration value="withOddNumberedRegistrationPlates"/>
      <xs:enumeration value="unknown"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: VehicleUsageEnum

Super-types:	xs:string < **VehicleUsageEnum** (by restriction)
Sub-types:	• _VehicleUsageEnum (by extension)

Name VehicleUsageEnum

Content

- Base XSD Type: string
- *value* comes from list: {'agricultural'|'carSharing'|'cityLogistics'|'commercial'|'emergencyServices'|'military'|'nonCommercial'|'patrol'|'recoveryServices'|'roadMaintenanceOrCc

Documentation Types of usage of a vehicle.

Schema Component Representation

```
<xs:simpleType name="VehicleUsageEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="agricultural"/>
    <xs:enumeration value="carSharing"/>
    <xs:enumeration value="cityLogistics"/>
    <xs:enumeration value="commercial"/>
    <xs:enumeration value="emergencyServices"/>
    <xs:enumeration value="military"/>
    <xs:enumeration value="nonCommercial"/>
    <xs:enumeration value="patrol"/>
    <xs:enumeration value="recoveryServices"/>
    <xs:enumeration value="roadMaintenanceOrConstruction"/>
    <xs:enumeration value="roadOperator"/>
    <xs:enumeration value="taxi"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: VehiclesPerHour

Super-types:	xs:nonNegativeInteger < NonNegativeInteger (by restriction) < **VehiclesPerHour** (by restriction)
Sub-types:	None

Name VehiclesPerHour

Content

- Base XSD Type: nonNegativeInteger

Documentation Vehicles per hour.

Schema Component Representation

```
<xs:simpleType name="VehiclesPerHour">
  <xs:restriction base="com:NonNegativeInteger"/>
</xs:simpleType>
```

top

Simple Type: WeightTypeEnum

Super-types:	xs:string < **WeightTypeEnum** (by restriction)
Sub-types:	• _WeightTypeEnum (by extension)

Name WeightTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'actual'|'maximumPermitted'|'_extended'}

Documentation Type of weight - describing the meaning of a vehicle weight value

Schema Component Representation

```
<xs:simpleType name="WeightTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="actual"/>
    <xs:enumeration value="maximumPermitted"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: WinterEquipmentManagementTypeEnum

Super-types:	xs:string < **WinterEquipmentManagementTypeEnum** (by restriction)
Sub-types:	• _WinterEquipmentManagementTypeEnum (by extension)

Name WinterEquipmentManagementTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'doNotUseStudTyres'|'useSnowChains'|'useSnowChainsOrTyres'|'useSnowTyres'|'winterEquipmentOnBoardRequired'|'other'|'_extended'}

Documentation Instructions relating to the use of winter equipment.

Schema Component Representation

```
<xs:simpleType name="WinterEquipmentManagementTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="doNotUseStudTyres"/>
    <xs:enumeration value="useSnowChains"/>
    <xs:enumeration value="useSnowChainsOrTyres"/>
    <xs:enumeration value="useSnowTyres"/>
    <xs:enumeration value="winterEquipmentOnBoardRequired"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: Year

Super-types:	xs:nonNegativeInteger < NonNegativeInteger (by restriction) < **Year** (by restriction)
Sub-types:	None

Name Year

Content

- Base XSD Type: nonNegativeInteger

Documentation A year.

Schema Component Representation

```
<xs:simpleType name="Year">
  <xs:restriction base="com:NonNegativeInteger"/>
</xs:simpleType>
```

top

Simple Type: _EmissionClassificationEuroEnumExtensionType

Super-types:	xs:string < **_EmissionClassificationEuroEnumExtensionType** (by restriction)
Sub-types:	None

Name _EmissionClassificationEuroEnumExtensionType

Content

- Base XSD Type: string
- *value* comes from list: {'euroUnknown'|'euroI'|'euroII'|'euroIII'}

Schema Component Representation

```
<xs:simpleType name="_EmissionClassificationEuroEnumExtensionType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="euroUnknown"/>
    <xs:enumeration value="euroI"/>
    <xs:enumeration value="euroII"/>
    <xs:enumeration value="euroIII"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: _LoadTypeEnumExtensionType

Super-types:	xs:string < **_LoadTypeEnumExtensionType** (by restriction)
Sub-types:	None

Name _LoadTypeEnumExtensionType

Content

- Base XSD Type: string
- *value* comes from list: {'dangerousGoods'|'passenger'}

Schema Component Representation

```
<xs:simpleType name="_LoadTypeEnumExtensionType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="dangerousGoods"/>
    <xs:enumeration value="passenger"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: _VehicleEquipmentEnumExtensionType

Super-types:	xs:string < **_VehicleEquipmentEnumExtensionType** (by restriction)
Sub-types:	None

Name _VehicleEquipmentEnumExtensionType

Content

- Base XSD Type: string
- *value* comes from list: {'dippedHeadlightsInUse'|'speedLimiterInUse'|'electronicTollEquipment'}

Schema Component Representation

```
<xs:simpleType name="_VehicleEquipmentEnumExtensionType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="dippedHeadlightsInUse"/>
    <xs:enumeration value="speedLimiterInUse"/>
    <xs:enumeration value="electronicTollEquipment"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: _VehicleTypeEnumExtensionType

Super-types:	xs:string < **_VehicleTypeEnumExtensionType** (by restriction)
Sub-types:	None

Name _VehicleTypeEnumExtensionType

Content

- Base XSD Type: string
- *value* comes from list: {'animalDrawnVehicles'|'electricVehicles'|'passengerCarWithTrailer'|'motorizedVehicles'|'goodsVehicles'|'nonMotorizedVehicles'|'handcarts'|'soloMotorcycle'|'n

Schema Component Representation

```
<xs:simpleType name="_VehicleTypeEnumExtensionType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="animalDrawnVehicles"/>
    <xs:enumeration value="electricVehicles"/>
    <xs:enumeration value="passengerCarWithTrailer"/>
    <xs:enumeration value="motorizedVehicles"/>
    <xs:enumeration value="goodsVehicles"/>
    <xs:enumeration value="nonMotorizedVehicles"/>
    <xs:enumeration value="handcarts"/>
    <xs:enumeration value="soloMotorcycle"/>
    <xs:enumeration value="motorizedVehiclesWithoutNumberPlate"/>
    <xs:enumeration value="motorQuadricycles"/>
    <xs:enumeration value="motorisedPersonalTransportDevices"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: _VehicleUsageEnumExtensionType

Super-types:	xs:string < **_VehicleUsageEnumExtensionType** (by restriction)
Sub-types:	None

Name _VehicleUsageEnumExtensionType

Content

- Base XSD Type: string
- *value* comes from list: {'removals'|'circus'|'funFair'}

Schema Component Representation

```
<xs:simpleType name="_VehicleUsageEnumExtensionType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="removals"/>
    <xs:enumeration value="circus"/>
    <xs:enumeration value="funFair"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: _WeightTypeEnumExtensionType

Super-types:	xs:string < **_WeightTypeEnumExtensionType** (by restriction)
Sub-types:	None

Name _WeightTypeEnumExtensionType

Content

- Base XSD Type: string
- *value* comes from list: {'combinedMaximumPermitted'}

Schema Component Representation

```
<xs:simpleType name="_WeightTypeEnumExtensionType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="combinedMaximumPermitted"/>
  </xs:restriction>
</xs:simpleType>
```

top

DATEXII_3_D2Payload

Table of Contents

top

Schema Document Properties

Target Namespace	**http://datex2.eu/schema/3/d2Payload**
Version	3.3
Element and Attribute Namespaces	• Global element and attribute declarations belong to this schema's target namespace. • By default, local element declarations belong to this schema's target namespace. • By default, local attribute declarations have no namespace.

Schema Composition	• This schema imports schema(s) from the following namespace(s):
	  ◦ *http://datex2.eu/schema/3/locationExtension* (at DATEXII_3_LocationExtension.xsd)
	  ◦ *http://datex2.eu/schema/3/commonExtension* (at DATEXII_3_CommonExtension.xsd)
	  ◦ *http://datex2.eu/schema/3/parking* (at DATEXII_3_Parking.xsd)
	  ◦ *http://datex2.eu/schema/3/vms* (at DATEXII_3_Vms.xsd)
	  ◦ *http://datex2.eu/schema/3/trafficRegulation* (at DATEXII_3_TrafficRegulation.xsd)
	  ◦ *http://datex2.eu/schema/3/roadTrafficData* (at DATEXII_3_RoadTrafficData.xsd)
	  ◦ *http://datex2.eu/schema/3/facilities* (at DATEXII_3_Facilities.xsd)
	  ◦ *http://datex2.eu/schema/3/energyInfrastructure* (at DATEXII_3_EnergyInfrastructure.xsd)
	  ◦ *http://datex2.eu/schema/3/locationReferencing* (at DATEXII_3_LocationReferencing.xsd)
	  ◦ *http://datex2.eu/schema/3/common* (at DATEXII_3_Common.xsd)

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace
xs	http://www.w3.org/2001/XMLSchema
locx	http://datex2.eu/schema/3/locationExtension
comx	http://datex2.eu/schema/3/commonExtension
prk	http://datex2.eu/schema/3/parking
vms	http://datex2.eu/schema/3/vms
tro	http://datex2.eu/schema/3/trafficRegulation
roa	http://datex2.eu/schema/3/roadTrafficData
fac	http://datex2.eu/schema/3/facilities
egi	http://datex2.eu/schema/3/energyInfrastructure

loc	http://datex2.eu/schema/3/locationReferencing
com	http://datex2.eu/schema/3/common
d2	**http://datex2.eu/schema/3/d2Payload**

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified"
version="3.3" targetNamespace="http://datex2.eu/schema/3/d2Payload">
   <xs:import namespace="http://datex2.eu/schema/3/locationExtension"
   schemaLocation="DATEXII_3_LocationExtension.xsd"/>
   <xs:import namespace="http://datex2.eu/schema/3/commonExtension"
   schemaLocation="DATEXII_3_CommonExtension.xsd"/>
   <xs:import namespace="http://datex2.eu/schema/3/parking"
   schemaLocation="DATEXII_3_Parking.xsd"/>
   <xs:import namespace="http://datex2.eu/schema/3/vms"
   schemaLocation="DATEXII_3_Vms.xsd"/>
   <xs:import namespace="http://datex2.eu/schema/3/trafficRegulation"
   schemaLocation="DATEXII_3_TrafficRegulation.xsd"/>
   <xs:import namespace="http://datex2.eu/schema/3/roadTrafficData"
   schemaLocation="DATEXII_3_RoadTrafficData.xsd"/>
   <xs:import namespace="http://datex2.eu/schema/3/facilities"
   schemaLocation="DATEXII_3_Facilities.xsd"/>
   <xs:import namespace="http://datex2.eu/schema/3/energyInfrastructure"
   schemaLocation="DATEXII_3_EnergyInfrastructure.xsd"/>
   <xs:import namespace="http://datex2.eu/schema/3/locationReferencing"
   schemaLocation="DATEXII_3_LocationReferencing.xsd"/>
   <xs:import namespace="http://datex2.eu/schema/3/common"
   schemaLocation="DATEXII_3_Common.xsd"/>
   ...
</xs:schema>
```

top

Global Declarations

Element: payload

Name	payload
Type	com:PayloadPublication
Nillable	no
Abstract	no

XML Instance Representation

```
<d2:payload> com:PayloadPublication
   <!--
   Uniqueness Constraint - _payloadOperatingHoursSpecificationConstraint
   Selector - .//fac:operatingHoursSpecification
   Field(s) - @id, @version
   -->
   <!--
   Uniqueness Constraint - _payloadParkingRouteDetailsConstraint
   Selector - .//prk:parkingRouteDetails
   Field(s) - @id, @version
   -->
   <!--
   Uniqueness Constraint - _payloadParkingTableConstraint
   Selector - .//prk:parkingTable
   Field(s) - @id, @version
   -->
   <!--
   Uniqueness Constraint - _payloadOrganisationSpecificationConstraint
   Selector - .//fac:organisationSpecification
   Field(s) - @id, @version
   -->
```

```
    <!--
    Uniqueness Constraint - _payloadFacilityObjectConstraint
    Selector - .//fac:facilityObject
    Field(s) - @id, @version
    -->
    <!--
    Uniqueness Constraint - _payloadPublicTransportScheduleConstraint
    Selector - .//prk:publicTransportSchedule
    Field(s) - @id, @version
    -->
    <!--
    Uniqueness Constraint - _payloadOperatorDefinedPlaceConstraint
    Selector - .//prk:operatorDefinedPlace
    Field(s) - @id, @version
    -->
    <!--
    Uniqueness Constraint - _payloadRateTableConstraint
    Selector - .//fac:rateTable
    Field(s) - @id, @version
    -->
</d2:payload>
```

Schema Component Representation

```
<xs:element name="payload" type="com:PayloadPublication">
   <xs:unique name="_payloadOperatingHoursSpecificationConstraint">
      <xs:selector xpath=".//fac:operatingHoursSpecification"/>
      <xs:field xpath="@id"/>
      <xs:field xpath="@version"/>
   </xs:unique>
   <xs:unique name="_payloadParkingRouteDetailsConstraint">
      <xs:selector xpath=".//prk:parkingRouteDetails"/>
      <xs:field xpath="@id"/>
      <xs:field xpath="@version"/>
   </xs:unique>
   <xs:unique name="_payloadParkingTableConstraint">
      <xs:selector xpath=".//prk:parkingTable"/>
      <xs:field xpath="@id"/>
      <xs:field xpath="@version"/>
   </xs:unique>
   <xs:unique name="_payloadOrganisationSpecificationConstraint">
      <xs:selector xpath=".//fac:organisationSpecification"/>
      <xs:field xpath="@id"/>
      <xs:field xpath="@version"/>
   </xs:unique>
   <xs:unique name="_payloadFacilityObjectConstraint">
      <xs:selector xpath=".//fac:facilityObject"/>
      <xs:field xpath="@id"/>
      <xs:field xpath="@version"/>
   </xs:unique>
   <xs:unique name="_payloadPublicTransportScheduleConstraint">
      <xs:selector xpath=".//prk:publicTransportSchedule"/>
      <xs:field xpath="@id"/>
      <xs:field xpath="@version"/>
   </xs:unique>
   <xs:unique name="_payloadOperatorDefinedPlaceConstraint">
      <xs:selector xpath=".//prk:operatorDefinedPlace"/>
      <xs:field xpath="@id"/>
      <xs:field xpath="@version"/>
   </xs:unique>
   <xs:unique name="_payloadRateTableConstraint">
      <xs:selector xpath=".//fac:rateTable"/>
      <xs:field xpath="@id"/>
      <xs:field xpath="@version"/>
   </xs:unique>
</xs:element>
```

top

DATEXII_3_EnergyInfrastructure

Table of Contents

top

Schema Document Properties

Target Namespace	**http://datex2.eu/schema/3/energyInfrastructure**
Version	3.3
Element and Attribute Namespaces	• Global element and attribute declarations belong to this schema's target namespace. • By default, local element declarations belong to this schema's target namespace. • By default, local attribute declarations have no namespace.

Schema Composition	• This schema imports schema(s) from the following namespace(s):
	  ◦ *http://datex2.eu/schema/3/locationReferencing* (at DATEXII_3_LocationReferencing.xsd)
	  ◦ *http://datex2.eu/schema/3/common* (at DATEXII_3_Common.xsd)
	  ◦ *http://datex2.eu/schema/3/facilities* (at DATEXII_3_Facilities.xsd)

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace
xs	http://www.w3.org/2001/XMLSchema
loc	http://datex2.eu/schema/3/locationReferencing
com	http://datex2.eu/schema/3/common
fac	http://datex2.eu/schema/3/facilities
egi	**http://datex2.eu/schema/3/energyInfrastructure**

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified" version="3.3"
targetNamespace="http://datex2.eu/schema/3/energyInfrastructure">
   <xs:import namespace="http://datex2.eu/schema/3/locationReferencing"
   schemaLocation="DATEXII_3_LocationReferencing.xsd"/>
   <xs:import namespace="http://datex2.eu/schema/3/common" schemaLocation="DATEXII_3_Common.xsd"/>
   <xs:import namespace="http://datex2.eu/schema/3/facilities" schemaLocation="DATEXII_3_Facilities.xsd"/>
   ...
</xs:schema>
```

top

Global Definitions

Complex Type: AssociatedParking

Super-types:	fac:AssociatedFacility < **AssociatedParking** (by extension)
Sub-types:	None

Name	AssociatedParking
Abstract	no
Documentation	A Parking site this site is associated with, i.e. they are located on the same property and may share entrance and exit.

XML Instance Representation

```
<...>
   <!-- 'fac:AssociatedFacility' super type was not found in this schema. Some elements and attributes may be
   missing. -->
   <egi:carParkingCapacity> com:NonNegativeInteger </egi:carParkingCapacity> [0..1] ?
```

```
   <egi:truckParkingCapacity> com:NonNegativeInteger </egi:truckParkingCapacity> [0..1] ?
   <egi:bikeParkingCapacity> com:NonNegativeInteger </egi:bikeParkingCapacity> [0..1] ?
   <egi:_associatedParkingExtension> com:_ExtensionType </egi:_associatedParkingExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AssociatedParking">
   <xs:complexContent>
      <xs:extension base="fac:AssociatedFacility">
         <xs:sequence>
            <xs:element name="carParkingCapacity" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
            <xs:element name="truckParkingCapacity" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
            <xs:element name="bikeParkingCapacity" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
            <xs:element name="_associatedParkingExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: Connector

Super-types:	None
Sub-types:	None

Name	Connector
Abstract	no
Documentation	Parameters and description of an interface that is available at the given electric charging point to connect vehicles

XML Instance Representation

```
<...>
   <egi:connectorType> egi:_ConnectorTypeEnum </egi:connectorType> [1] ?
   <egi:otherConnector> com:String </egi:otherConnector> [0..1] ?
   <egi:countryOfDomesticSocket> com:CountryCode </egi:countryOfDomesticSocket> [0..*] ?
   <egi:chargingMode> egi:_ChargingModeEnum </egi:chargingMode> [0..1] ?
   <egi:connectorFormat> egi:_ConnectorFormatTypeEnum </egi:connectorFormat> [0..1] ?
   <egi:maxPowerAtSocket> egi:Watt </egi:maxPowerAtSocket> [1] ?
   <egi:voltage> egi:Volt </egi:voltage> [0..1] ?
   <egi:maximumCurrent> egi:Ampere </egi:maximumCurrent> [0..1] ?
   <egi:_connectorExtension> com:_ExtensionType </egi:_connectorExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Connector">
   <xs:sequence>
      <xs:element name="connectorType" type="egi:_ConnectorTypeEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="otherConnector" type="com:String" minOccurs="0" maxOccurs="1"/>
      <xs:element name="countryOfDomesticSocket" type="com:CountryCode" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="chargingMode" type="egi:_ChargingModeEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="connectorFormat" type="egi:_ConnectorFormatTypeEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="maxPowerAtSocket" type="egi:Watt" minOccurs="1" maxOccurs="1"/>
      <xs:element name="voltage" type="egi:Volt" minOccurs="0" maxOccurs="1"/>
      <xs:element name="maximumCurrent" type="egi:Ampere" minOccurs="0" maxOccurs="1"/>
      <xs:element name="_connectorExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: ElectricChargingEquipment

Super-types:	fac:SupplementalFacility < **ElectricChargingEquipment** (by extension)
Sub-types:	None

Name	ElectricChargingEquipment
Abstract	no
Documentation	A specialisation to the SupplementalFacility class adding an ElectricChargingPoint.

XML Instance Representation

```
<...>
   <!-- 'fac:SupplementalFacility' super type was not found in this schema. Some elements and attributes may be
   missing. -->
   <egi:electricChargingPoint> egi:ElectricChargingPoint </egi:electricChargingPoint> [1]
   <egi:_electricChargingEquipmentExtension> com:_ExtensionType </egi:_electricChargingEquipmentExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ElectricChargingEquipment">
   <xs:complexContent>
      <xs:extension base="fac:SupplementalFacility">
         <xs:sequence>
            <xs:element name="electricChargingPoint" type="egi:ElectricChargingPoint"/>
            <xs:element name="_electricChargingEquipmentExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: ElectricChargingPoint

Super-types:	fac:Facility < RefillPoint (by extension) < **ElectricChargingPoint** (by extension)
Sub-types:	None

Name	ElectricChargingPoint
Abstract	no
Documentation	Technical infrastructure at a specific location that facilitates electric charging of one vehicle at a time

XML Instance Representation

```
<...>
   <!-- 'fac:Facility' super type was not found in this schema. Some elements and attributes may be missing. -->
   <egi:_refillPointExtension> com:_ExtensionType </egi:_refillPointExtension> [0..1]
   <egi:usageType> egi:_ChargingPointUsageTypeEnum </egi:usageType> [0..*] ?
   <egi:vehicleToGridCommunicationType> egi:_VehicleToGridCommunicationTypeEnum </egi:vehicleToGridCommunicationType>
   [0..*] ?
   <egi:availableVoltage> egi:Volt </egi:availableVoltage> [0..*] ?
   <egi:availableChargingPower> egi:Watt </egi:availableChargingPower> [0..*] ?
   <egi:connector> egi:Connector </egi:connector> [0..*] ?
   <egi:electricEnergyMix> egi:ElectricEnergyMix </egi:electricEnergyMix> [0..*]
   <egi:vehicleSpace> egi:VehicleSpace </egi:vehicleSpace> [0..*]
   <egi:_electricChargingPointExtension> com:_ExtensionType </egi:_electricChargingPointExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ElectricChargingPoint">
   <xs:complexContent>
      <xs:extension base="egi:RefillPoint">
         <xs:sequence>
            <xs:element name="usageType" type="egi:_ChargingPointUsageTypeEnum" minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="vehicleToGridCommunicationType" type="egi:_VehicleToGridCommunicationTypeEnum"
            minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="availableVoltage" type="egi:Volt" minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="availableChargingPower" type="egi:Watt" minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="connector" type="egi:Connector" minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="electricEnergyMix" type="egi:ElectricEnergyMix" minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="vehicleSpace" type="egi:VehicleSpace" minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="_electricChargingPointExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: ElectricEnergyMix

Super-types:	None
Sub-types:	None

Name	ElectricEnergyMix
Abstract	no
Documentation	The energy mix and environmental impact of the supplied energy available at this charging point.

XML Instance Representation

```
<...
 energyMixIndex="com:Integer [1] ? ">
   <egi:energyProductName> com:MultilingualString </egi:energyProductName> [0..1] ?
   <egi:isGreenEnergy> com:Boolean </egi:isGreenEnergy> [0..1] ?
   <egi:carbonDioxideImpact> com:Float </egi:carbonDioxideImpact> [0..1] ?
   <egi:nuclearWasteImpact> com:Float </egi:nuclearWasteImpact> [0..1] ?
   <egi:notAvailable> com:Boolean </egi:notAvailable> [0..1] ?
   <egi:electricEnergySourceRatio> egi:ElectricEnergySourceRatio </egi:electricEnergySourceRatio> [0..*]
   <egi:energyProvider> fac:Organisation </egi:energyProvider> [0..1] ?
   <egi:rates> fac:Rates </egi:rates> [0..1]
   <egi:_electricEnergyMixExtension> com:_ExtensionType </egi:_electricEnergyMixExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ElectricEnergyMix">
   <xs:sequence>
      <xs:element name="energyProductName" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="isGreenEnergy" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="carbonDioxideImpact" type="com:Float" minOccurs="0" maxOccurs="1"/>
      <xs:element name="nuclearWasteImpact" type="com:Float" minOccurs="0" maxOccurs="1"/>
      <xs:element name="notAvailable" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="electricEnergySourceRatio" type="egi:ElectricEnergySourceRatio" minOccurs="0"
      maxOccurs="unbounded"/>
      <xs:element name="energyProvider" type="fac:Organisation" minOccurs="0"/>
      <xs:element name="rates" type="fac:Rates" minOccurs="0"/>
      <xs:element name="_electricEnergyMixExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
   <xs:attribute name="energyMixIndex" type="com:Integer" use="required"/>
</xs:complexType>
```

top

Complex Type: ElectricEnergySourceRatio

Super-types:	None
Sub-types:	None

Name	ElectricEnergySourceRatio
Abstract	no
Documentation	Ratio for the specified energy source

XML Instance Representation

```
<...>
   <egi:energySource> egi:_ElectricEnergySourceTypeEnum </egi:energySource> [1] ?
   <egi:otherEnergySource> com:String </egi:otherEnergySource> [0..1] ?
   <egi:sourceRatioValue> com:PercentageValue </egi:sourceRatioValue> [1] ?
   <egi:_electricEnergySourceRatioExtension> com:_ExtensionType </egi:_electricEnergySourceRatioExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ElectricEnergySourceRatio">
   <xs:sequence>
      <xs:element name="energySource" type="egi:_ElectricEnergySourceTypeEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="otherEnergySource" type="com:String" minOccurs="0" maxOccurs="1"/>
      <xs:element name="sourceRatioValue" type="com:PercentageValue"/>
      <xs:element name="_electricEnergySourceRatioExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: EnergyPricingPolicy

Super-types:	None
Sub-types:	None

Name	EnergyPricingPolicy
Abstract	no
Documentation	Details how the price for the charging process is calculated.

XML Instance Representation

```
<...>
   <egi:pricingPolicy> egi:_PricingPolicyEnum </egi:pricingPolicy> [0..*] ?
   <egi:combinationWithParkingFee> com:Boolean </egi:combinationWithParkingFee> [0..1] ?
   <egi:discount> com:Percentage </egi:discount> [0..1] ?
   <egi:maximumDeliveryFee> fac:AmountOfMoney </egi:maximumDeliveryFee> [0..1] ?
   <egi:minimumDeliveryFee> fac:AmountOfMoney </egi:minimumDeliveryFee> [0..1] ?
   <egi:additionalInformation> com:MultilingualString </egi:additionalInformation> [0..1] ?
   <egi:_energyPricingPolicyExtension> com:_ExtensionType </egi:_energyPricingPolicyExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="EnergyPricingPolicy">
   <xs:sequence>
      <xs:element name="pricingPolicy" type="egi:_PricingPolicyEnum" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="combinationWithParkingFee" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="discount" type="com:Percentage" minOccurs="0" maxOccurs="1"/>
      <xs:element name="maximumDeliveryFee" type="fac:AmountOfMoney" minOccurs="0" maxOccurs="1"/>
      <xs:element name="minimumDeliveryFee" type="fac:AmountOfMoney" minOccurs="0" maxOccurs="1"/>
      <xs:element name="additionalInformation" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="_energyPricingPolicyExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: RefillPoint

Super-types:	fac:Facility < **RefillPoint** (by extension)
Sub-types:	• ElectricChargingPoint (by extension)

Name	RefillPoint
Abstract	yes
Documentation	Technical infrastructure at a specific location that facilitates an energy refilling process being connected to max. one vehicle at a time

XML Instance Representation

```
<...>
   <!-- 'fac:Facility' super type was not found in this schema. Some elements and attributes may be missing. -->
   <egi:_refillPointExtension> com:_ExtensionType </egi:_refillPointExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RefillPoint" abstract="true">
   <xs:complexContent>
      <xs:extension base="fac:Facility">
         <xs:sequence>
            <xs:element name="_refillPointExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
```

```
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: VehicleSpace

Super-types:	fac:Facility < **VehicleSpace** (by extension)
Sub-types:	None

Name	VehicleSpace
Abstract	no
Documentation	A space where a vehicle can be charged.

XML Instance Representation

```
<...>
  <!-- 'fac:Facility' super type was not found in this schema. Some elements and attributes may be missing. -->
  <egi:parkingAllowedAfterCharging> com:Boolean </egi:parkingAllowedAfterCharging> [0..1] ?
  <egi:_vehicleSpaceExtension> com:_ExtensionType </egi:_vehicleSpaceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="VehicleSpace">
  <xs:complexContent>
    <xs:extension base="fac:Facility">
      <xs:sequence>
        <xs:element name="parkingAllowedAfterCharging" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="_vehicleSpaceExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: _ChargingModeEnum

Super-types:	xs:string < ChargingModeEnum (by restriction) < **_ChargingModeEnum** (by extension)
Sub-types:	None

Name	_ChargingModeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  egi:ChargingModeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ChargingModeEnum">
  <xs:simpleContent>
    <xs:extension base="egi:ChargingModeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ChargingPointUsageTypeEnum

Super-types:	xs:string < ChargingPointUsageTypeEnum (by restriction) < **_ChargingPointUsageTypeEnum** (by extension)
Sub-types:	None

Name	_ChargingPointUsageTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  egi:ChargingPointUsageTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ChargingPointUsageTypeEnum">
  <xs:simpleContent>
    <xs:extension base="egi:ChargingPointUsageTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ConnectorFormatTypeEnum

Super-types:	xs:string < ConnectorFormatTypeEnum (by restriction) < **_ConnectorFormatTypeEnum** (by extension)
Sub-types:	None

Name	_ConnectorFormatTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   egi:ConnectorFormatTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ConnectorFormatTypeEnum">
   <xs:simpleContent>
      <xs:extension base="egi:ConnectorFormatTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ConnectorTypeEnum

Super-types:	xs:string < ConnectorTypeEnum (by restriction) < **_ConnectorTypeEnum** (by extension)
Sub-types:	None

Name	_ConnectorTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   egi:ConnectorTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ConnectorTypeEnum">
   <xs:simpleContent>
      <xs:extension base="egi:ConnectorTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ElectricEnergySourceTypeEnum

Super-types:	xs:string < ElectricEnergySourceTypeEnum (by restriction) < **_ElectricEnergySourceTypeEnum** (by extension)
Sub-types:	None

Name	_ElectricEnergySourceTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   egi:ElectricEnergySourceTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ElectricEnergySourceTypeEnum">
   <xs:simpleContent>
      <xs:extension base="egi:ElectricEnergySourceTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _PricingPolicyEnum

Super-types:	xs:string < PricingPolicyEnum (by restriction) < **_PricingPolicyEnum** (by extension)
Sub-types:	None

Name	_PricingPolicyEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   egi:PricingPolicyEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_PricingPolicyEnum">
   <xs:simpleContent>
      <xs:extension base="egi:PricingPolicyEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _VehicleToGridCommunicationTypeEnum

Super-types:	xs:string < VehicleToGridCommunicationTypeEnum (by restriction) < **_VehicleToGridCommunicationTypeEnum** (by extension)
Sub-types:	None

Name _VehicleToGridCommunicationTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   egi:VehicleToGridCommunicationTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_VehicleToGridCommunicationTypeEnum">
   <xs:simpleContent>
      <xs:extension base="egi:VehicleToGridCommunicationTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Simple Type: Ampere

Super-types:	com:Float < **Ampere** (by restriction)
Sub-types:	None

Name Ampere

Content

- **'Float' super type was not found in this schema. Its facets could not be printed out.**

Documentation Ampere.

Schema Component Representation

```
<xs:simpleType name="Ampere">
   <xs:restriction base="com:Float"/>
</xs:simpleType>
```

top

Simple Type: ChargingModeEnum

Super-types:	xs:string < **ChargingModeEnum** (by restriction)
Sub-types:	_ChargingModeEnum (by extension)

Name ChargingModeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'mode1AC1p'|'mode1AC3p'|'mode2AC1p'|'mode2AC3p'|'mode3AC3p'|'mode4DC'|'legacyInductive'|'ccs'|'other'|'unknown'|'_extended'}

Documentation Charging mode according to IEC-61851 terminology

Schema Component Representation

```
<xs:simpleType name="ChargingModeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="mode1AC1p"/>
      <xs:enumeration value="mode1AC3p"/>
      <xs:enumeration value="mode2AC1p"/>
      <xs:enumeration value="mode2AC3p"/>
      <xs:enumeration value="mode3AC3p"/>
      <xs:enumeration value="mode4DC"/>
      <xs:enumeration value="legacyInductive"/>
      <xs:enumeration value="ccs"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="unknown"/>
      <xs:enumeration value="_extended"/>
```

```
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ChargingPointUsageTypeEnum

Super-types:	xs:string < **ChargingPointUsageTypeEnum** (by restriction)
Sub-types:	• _ChargingPointUsageTypeEnum (by extension)

Name ChargingPointUsageTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'electricBoat'|'electricBike'|'electricalDevices'|'electricMotorcycle'|'electricVehicle'|'lorryPowerConsumption'|'motorhomeOrCaravanSupply'|'overheadL

Documentation Type of usage for an electric charging point..

Schema Component Representation

```
<xs:simpleType name="ChargingPointUsageTypeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="electricBoat"/>
      <xs:enumeration value="electricBike"/>
      <xs:enumeration value="electricalDevices"/>
      <xs:enumeration value="electricMotorcycle"/>
      <xs:enumeration value="electricVehicle"/>
      <xs:enumeration value="lorryPowerConsumption"/>
      <xs:enumeration value="motorhomeOrCaravanSupply"/>
      <xs:enumeration value="overheadLineDrivenVehicles"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ConnectorFormatTypeEnum

Super-types:	xs:string < **ConnectorFormatTypeEnum** (by restriction)
Sub-types:	• _ConnectorFormatTypeEnum (by extension)

Name ConnectorFormatTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'cableMode2'|'cableMode3'|'otherCable'|'socket'|'_extended'}

Documentation A list of cable types used during the charging process.

Schema Component Representation

```
<xs:simpleType name="ConnectorFormatTypeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="cableMode2"/>
      <xs:enumeration value="cableMode3"/>
      <xs:enumeration value="otherCable"/>
      <xs:enumeration value="socket"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ConnectorTypeEnum

Super-types:	xs:string < **ConnectorTypeEnum** (by restriction)
Sub-types:	• _ConnectorTypeEnum (by extension)

Name ConnectorTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'chademo'|'cee3'|'cee5'|'yazaki'|'domestic'|'domesticA'|'domesticB'|'domesticC'|'domesticD'|'domesticE'|'domesticF'|'domesticG'|'domesticH'|'domestic

Documentation A table of commonly used connectors / charging interfaces

Schema Component Representation

```
<xs:simpleType name="ConnectorTypeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="chademo"/>
      <xs:enumeration value="cee3"/>
      <xs:enumeration value="cee5"/>
      <xs:enumeration value="yazaki"/>
      <xs:enumeration value="domestic"/>
      <xs:enumeration value="domesticA"/>
      <xs:enumeration value="domesticB"/>
      <xs:enumeration value="domesticC"/>
      <xs:enumeration value="domesticD"/>
```

```
      <xs:enumeration value="domesticE"/>
      <xs:enumeration value="domesticF"/>
      <xs:enumeration value="domesticG"/>
      <xs:enumeration value="domesticH"/>
      <xs:enumeration value="domesticI"/>
      <xs:enumeration value="domesticJ"/>
      <xs:enumeration value="domesticK"/>
      <xs:enumeration value="domesticL"/>
      <xs:enumeration value="domesticM"/>
      <xs:enumeration value="domesticN"/>
      <xs:enumeration value="domesticO"/>
      <xs:enumeration value="iec60309x2single16"/>
      <xs:enumeration value="iec60309x2three16"/>
      <xs:enumeration value="iec60309x2three32"/>
      <xs:enumeration value="iec60309x2three64"/>
      <xs:enumeration value="iec62196T1"/>
      <xs:enumeration value="iec62196T1COMBO"/>
      <xs:enumeration value="iec62196T2"/>
      <xs:enumeration value="iec62196T2COMBO"/>
      <xs:enumeration value="iec62196T3A"/>
      <xs:enumeration value="iec62196T3C"/>
      <xs:enumeration value="pantographBottomUp"/>
      <xs:enumeration value="pantographTopDown"/>
      <xs:enumeration value="teslaConnectorEurope"/>
      <xs:enumeration value="teslaConnectorAmerica"/>
      <xs:enumeration value="teslaR"/>
      <xs:enumeration value="teslaS"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ElectricEnergySourceTypeEnum

Super-types:	xs:string < **ElectricEnergySourceTypeEnum** (by restriction)
Sub-types:	• _ElectricEnergySourceTypeEnum (by extension)

Name ElectricEnergySourceTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'biogas'|'coal'|'gas'|'nuclear'|'solar'|'water'|'wind'|'generalGreen'|'generalFossil'|'other'|'_extended'}

Documentation Electric energy sources

Schema Component Representation

```
<xs:simpleType name="ElectricEnergySourceTypeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="biogas"/>
      <xs:enumeration value="coal"/>
      <xs:enumeration value="gas"/>
      <xs:enumeration value="nuclear"/>
      <xs:enumeration value="solar"/>
      <xs:enumeration value="water"/>
      <xs:enumeration value="wind"/>
      <xs:enumeration value="generalGreen"/>
      <xs:enumeration value="generalFossil"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: PricingPolicyEnum

Super-types:	xs:string < **PricingPolicyEnum** (by restriction)
Sub-types:	• _PricingPolicyEnum (by extension)

Name PricingPolicyEnum

Content

- Base XSD Type: string
- *value* comes from list: {'pricePerChargingTime'|'pricePerDeliveryUnit'|'contract'|'flatRate'|'unknown'|'free'|'other'|'_extended'}

Documentation A list of possible pricing policies at refill points

Schema Component Representation

```
<xs:simpleType name="PricingPolicyEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="pricePerChargingTime"/>
      <xs:enumeration value="pricePerDeliveryUnit"/>
      <xs:enumeration value="contract"/>
      <xs:enumeration value="flatRate"/>
      <xs:enumeration value="unknown"/>
      <xs:enumeration value="free"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: VehicleToGridCommunicationTypeEnum

Super-types:	xs:string < **VehicleToGridCommunicationTypeEnum** (by restriction)
Sub-types:	• _VehicleToGridCommunicationTypeEnum (by extension)

Name VehicleToGridCommunicationTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'none'|'iso15118'|'iec619802'|'other'|'unknown'|'_extended'}

Documentation A list of communication types for communication between vehicles and the grid.

Schema Component Representation

```
<xs:simpleType name="VehicleToGridCommunicationTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="none"/>
    <xs:enumeration value="iso15118"/>
    <xs:enumeration value="iec619802"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: Volt

Super-types:	com:Float < **Volt** (by restriction)
Sub-types:	None

Name Volt

Content

- **'Float' super type was not found in this schema. Its facets could not be printed out.**

Documentation Volt.

Schema Component Representation

```
<xs:simpleType name="Volt">
  <xs:restriction base="com:Float"/>
</xs:simpleType>
```

top

Simple Type: Watt

Super-types:	com:Float < **Watt** (by restriction)
Sub-types:	None

Name Watt

Content

- **'Float' super type was not found in this schema. Its facets could not be printed out.**

Documentation Watt.

Schema Component Representation

```
<xs:simpleType name="Watt">
  <xs:restriction base="com:Float"/>
</xs:simpleType>
```

top

DATEXII_3_Facilities

Table of Contents

- Simple Type: **RateAvailabilityTypeEnum**
- Simple Type: **RateLineTypeEnum**
- Simple Type: **RateTypeEnum**
- Simple Type: **RateUsageConditionsTypeEnum**
- Simple Type: **RefundTypeEnum**
- Simple Type: **ReservationTypeEnum**
- Simple Type: **RightTypeEnum**
- Simple Type: **ServiceFacilityTypeEnum**
- Simple Type: **SquareMetres**
- Simple Type: **SurchargeTypeEnum**
- Simple Type: **TimeZone**
- Simple Type: **UserTypeEnum**

top

Schema Document Properties

Target Namespace	**http://datex2.eu/schema/3/facilities**
Version	3.3
Element and Attribute Namespaces	• Global element and attribute declarations belong to this schema's target namespace. • By default, local element declarations belong to this schema's target namespace. • By default, local attribute declarations have no namespace.

Schema Composition	• This schema imports schema(s) from the following namespace(s):
	  ◦ *http://datex2.eu/schema/3/energyInfrastructure* (at DATEXII_3_EnergyInfrastructure.xsd)
	  ◦ *http://datex2.eu/schema/3/locationReferencing* (at DATEXII_3_LocationReferencing.xsd)
	  ◦ *http://datex2.eu/schema/3/common* (at DATEXII_3_Common.xsd)

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace
xs	http://www.w3.org/2001/XMLSchema
egi	http://datex2.eu/schema/3/energyInfrastructure
loc	http://datex2.eu/schema/3/locationReferencing
com	http://datex2.eu/schema/3/common
fac	**http://datex2.eu/schema/3/facilities**

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified" version="3.3"
targetNamespace="http://datex2.eu/schema/3/facilities">
   <xs:import namespace="http://datex2.eu/schema/3/energyInfrastructure"
   schemaLocation="DATEXII_3_EnergyInfrastructure.xsd"/>
   <xs:import namespace="http://datex2.eu/schema/3/locationReferencing"
   schemaLocation="DATEXII_3_LocationReferencing.xsd"/>
   <xs:import namespace="http://datex2.eu/schema/3/common" schemaLocation="DATEXII_3_Common.xsd"/>
   ...
</xs:schema>
```

top

Global Definitions

Complex Type: AmountInCurrency

Super-types:	None
Sub-types:	None

Name	AmountInCurrency
Abstract	no
Documentation	A class supporting the definition of a unit of currency in a defined currency.

XML Instance Representation

```
<...>
   <fac:currencyValue> fac:AmountOfMoney </fac:currencyValue> [1] ?
   <fac:currencyType> fac:CurrencyCode </fac:currencyType> [1] ?
   <fac:_amountInCurrencyExtension> com:_ExtensionType </fac:_amountInCurrencyExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AmountInCurrency">
   <xs:sequence>
      <xs:element name="currencyValue" type="fac:AmountOfMoney" minOccurs="1" maxOccurs="1"/>
      <xs:element name="currencyType" type="fac:CurrencyCode" minOccurs="1" maxOccurs="1"/>
      <xs:element name="_amountInCurrencyExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: AssociatedFacility

Super-types:	None
Sub-types:	None

Name	AssociatedFacility

Abstract	no
Documentation	Infrastructure this site is associated with, i.e. they are located on the same property and may share entrance and exit.

XML Instance Representation

```
<...>
   <fac:type> fac:_FacilityTypeEnum </fac:type> [1] ?
   <fac:facilityReference> fac:_FacilityObjectVersionedReference </fac:facilityReference> [0..1] ?
   <fac:description> com:MultilingualString </fac:description> [0..1] ?
   <fac:_associatedFacilityExtension> com:_ExtensionType </fac:_associatedFacilityExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AssociatedFacility">
   <xs:sequence>
      <xs:element name="type" type="fac:_FacilityTypeEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="facilityReference" type="fac:_FacilityObjectVersionedReference" minOccurs="0" maxOccurs="1"/>
      <xs:element name="description" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="_associatedFacilityExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: BrandsAcceptedCodeList

Super-types:	None
Sub-types:	None

Name	BrandsAcceptedCodeList
Abstract	no
Documentation	Use this class to describe details of the brands that are accepted.

XML Instance Representation

```
<...>
   <fac:brandsAcceptedList> fac:_PaymentBrandsEnum </fac:brandsAcceptedList> [1] ?
   <fac:_brandsAcceptedCodeListExtension> com:_ExtensionType </fac:_brandsAcceptedCodeListExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="BrandsAcceptedCodeList">
   <xs:sequence>
      <xs:element name="brandsAcceptedList" type="fac:_PaymentBrandsEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="_brandsAcceptedCodeListExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: BrandsAcceptedText

Super-types:	None
Sub-types:	None

Name	BrandsAcceptedText
Abstract	no
Documentation	Use this class to describe details of the brands that are accepted.

XML Instance Representation

```
<...>
   <fac:brandsAccepted> com:String </fac:brandsAccepted> [1] ?
   <fac:_brandsAcceptedTextExtension> com:_ExtensionType </fac:_brandsAcceptedTextExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="BrandsAcceptedText">
   <xs:sequence>
      <xs:element name="brandsAccepted" type="com:String" minOccurs="1" maxOccurs="1"/>
      <xs:element name="_brandsAcceptedTextExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: ClosureInformation

Super-types:	None
Sub-types:	None

Name	ClosureInformation
Abstract	no
Documentation	Information about temporary or permanent closure.

XML Instance Representation

```
<...>
   <fac:permananentlyClosed> com:Boolean </fac:permananentlyClosed> [0..1] ?
   <fac:temporarilyClosed> com:Boolean </fac:temporarilyClosed> [0..1] ?
   <fac:closedFrom> com:DateTime </fac:closedFrom> [0..1] ?
   <fac:temporarilyClosedUntil> com:DateTime </fac:temporarilyClosedUntil> [0..1] ?
   <fac:_closureInformationExtension> com:_ExtensionType </fac:_closureInformationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ClosureInformation">
   <xs:sequence>
      <xs:element name="permananentlyClosed" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="temporarilyClosed" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="closedFrom" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
      <xs:element name="temporarilyClosedUntil" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
      <xs:element name="_closureInformationExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: ContactInformation

Super-types:	None
Sub-types:	• ContactPerson (by extension)

Name	ContactInformation
Abstract	no
Documentation	Contact information

XML Instance Representation

```
<...>
   <fac:language> com:Language </fac:language> [0..*] ?
   <fac:telephoneNumber> com:String </fac:telephoneNumber> [0..1] ?
   <fac:faxNumber> com:String </fac:faxNumber> [0..1] ?
   <fac:eMail> com:String </fac:eMail> [0..1] ?
   <fac:_contactInformationExtension> com:_ExtensionType </fac:_contactInformationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ContactInformation">
   <xs:sequence>
      <xs:element name="language" type="com:Language" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="telephoneNumber" type="com:String" minOccurs="0" maxOccurs="1"/>
      <xs:element name="faxNumber" type="com:String" minOccurs="0" maxOccurs="1"/>
      <xs:element name="eMail" type="com:String" minOccurs="0" maxOccurs="1"/>
      <xs:element name="_contactInformationExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: ContactPerson

Super-types:	ContactInformation < **ContactPerson** (by extension)
Sub-types:	None

Name	ContactPerson
Abstract	no
Documentation	A specific contact person

XML Instance Representation

```
<...>
   <fac:language> com:Language </fac:language> [0..*] ?
   <fac:telephoneNumber> com:String </fac:telephoneNumber> [0..1] ?
   <fac:faxNumber> com:String </fac:faxNumber> [0..1] ?
   <fac:eMail> com:String </fac:eMail> [0..1] ?
   <fac:_contactInformationExtension> com:_ExtensionType </fac:_contactInformationExtension> [0..1]
   <fac:name> com:String </fac:name> [1] ?
   <fac:firstName> com:String </fac:firstName> [0..1] ?
   <fac:title> com:MultilingualString </fac:title> [0..1] ?
   <fac:position> com:MultilingualString </fac:position> [0..1] ?
   <fac:_contactPersonExtension> com:_ExtensionType </fac:_contactPersonExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ContactPerson">
   <xs:complexContent>
      <xs:extension base="fac:ContactInformation">
         <xs:sequence>
            <xs:element name="name" type="com:String" minOccurs="1" maxOccurs="1"/>
            <xs:element name="firstName" type="com:String" minOccurs="0" maxOccurs="1"/>
            <xs:element name="title" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
            <xs:element name="position" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
            <xs:element name="_contactPersonExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
```

```
</xs:complexType>
```

top

Complex Type: Credential

Super-types:	None
Sub-types:	• CredentialAssigned (by extension)

Name	Credential
Abstract	no
Documentation	Class containing reference to a credential (identifiable persistent identity)

XML Instance Representation

```
<...>
   <fac:type> fac:_CredentialTypeEnum </fac:type> [1] ?
   <fac:otherType> com:String </fac:otherType> [0..1] ?
   <fac:_credentialExtension> com:_ExtensionType </fac:_credentialExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Credential">
   <xs:sequence>
      <xs:element name="type" type="fac:_CredentialTypeEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="otherType" type="com:String" minOccurs="0" maxOccurs="1"/>
      <xs:element name="_credentialExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: CredentialAssigned

Super-types:	Credential < **CredentialAssigned** (by extension)
Sub-types:	None

Name	CredentialAssigned
Abstract	no
Documentation	Information concerning a specific credential that is used for verification for one AssignedRight. Specialisation of a general credential.

XML Instance Representation

```
<...>
   <fac:type> fac:_CredentialTypeEnum </fac:type> [1] ?
   <fac:otherType> com:String </fac:otherType> [0..1] ?
   <fac:_credentialExtension> com:_ExtensionType </fac:_credentialExtension> [0..1]
   <fac:localIdentifier> com:String </fac:localIdentifier> [0..1] ?
   <fac:issuer> fac:_OrganisationVersionedReference </fac:issuer> [1] ?
   <fac:_credentialAssignedExtension> com:_ExtensionType </fac:_credentialAssignedExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="CredentialAssigned">
   <xs:complexContent>
      <xs:extension base="fac:Credential">
         <xs:sequence>
            <xs:element name="localIdentifier" type="com:String" minOccurs="0" maxOccurs="1"/>
            <xs:element name="issuer" type="fac:_OrganisationVersionedReference" minOccurs="1" maxOccurs="1"/>
            <xs:element name="_credentialAssignedExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: Dimension

Super-types:	None
Sub-types:	None

Name	Dimension
Abstract	no
Documentation	A component that provides dimension information. Especially for multi-storey buildings, the usable area might be larger than the product from its length and width.

XML Instance Representation

```
<...>
   <fac:length> com:MetresAsFloat </fac:length> [0..1] ?
   <fac:width> com:MetresAsFloat </fac:width> [0..1] ?
   <fac:height> com:MetresAsFloat </fac:height> [0..1] ?
   <fac:usableArea> fac:SquareMetres </fac:usableArea> [0..1] ?
   <fac:_dimensionExtension> com:_ExtensionType </fac:_dimensionExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Dimension">
  <xs:sequence>
    <xs:element name="length" type="com:MetresAsFloat" minOccurs="0" maxOccurs="1"/>
    <xs:element name="width" type="com:MetresAsFloat" minOccurs="0" maxOccurs="1"/>
    <xs:element name="height" type="com:MetresAsFloat" minOccurs="0" maxOccurs="1"/>
    <xs:element name="usableArea" type="fac:SquareMetres" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_dimensionExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

top

Complex Type: DurationValue

Super-types:	com:DataValue < **DurationValue** (by extension)
Sub-types:	None

Name	DurationValue
Abstract	no
Documentation	A measured or calculated value of a period of time.

XML Instance Representation

```
<...>
  <!-- 'com:DataValue' super type was not found in this schema. Some elements and attributes may be missing. -->
  <fac:duration> com:Seconds </fac:duration> [1] ?
  <fac:_durationValueExtension> com:_ExtensionType </fac:_durationValueExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DurationValue">
  <xs:complexContent>
    <xs:extension base="com:DataValue">
      <xs:sequence>
        <xs:element name="duration" type="com:Seconds" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_durationValueExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: Eligibility

Super-types:	None
Sub-types:	None

Name	Eligibility
Abstract	no
Documentation	Class support concepts for defining eligibility criteria.

XML Instance Representation

```
<...>
  <fac:eligibilityName> com:MultilingualString </fac:eligibilityName> [0..1] ?
  <fac:description> com:MultilingualString </fac:description> [0..1] ?
  <fac:qualification> fac:Qualification </fac:qualification> [0..*]
  <fac:_eligibilityExtension> com:_ExtensionType </fac:_eligibilityExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Eligibility">
  <xs:sequence>
    <xs:element name="eligibilityName" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="description" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="qualification" type="fac:Qualification" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_eligibilityExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

top

Complex Type: Facility

Super-types:	FacilityObject < **Facility** (by extension)
Sub-types:	None

Name	Facility
Abstract	yes
Documentation	Provides information about a facility, which may represent any kind of site, building, or structure, and may be a composite facility that includes supplemental facilities.

XML Instance Representation

```
<...
 id="xs:string [1]"
```

```
 version="xs:string [1]">
   <fac:name> com:MultilingualString </fac:name> [0..1] ?
   <fac:alias> com:MultilingualString </fac:alias> [0..*] ?
   <fac:externalIdentifier> com:String </fac:externalIdentifier> [0..1] ?
   <fac:lastUpdated> com:DateTime </fac:lastUpdated> [0..1] ?
   <fac:description> com:MultilingualString </fac:description> [0..1] ?
   <fac:accessibility> fac:_AccessibilityEnum </fac:accessibility> [0..*] ?
   <fac:additionalInformation> com:MultilingualString </fac:additionalInformation> [0..*] ?
   <fac:informationWebsite> com:UrlLink </fac:informationWebsite> [0..*] ?
   <fac:photoUrl> com:UrlLink </fac:photoUrl> [0..*] ?
   <fac:photo> fac:Image </fac:photo> [0..*] ?
   <fac:operatingHours> fac:OperatingHours </fac:operatingHours> [0..1]
   <fac:locationReference> loc:LocationReference </fac:locationReference> [0..1]
   <fac:owner> fac:Organisation </fac:owner> [0..1] ?
   <fac:operator> fac:Organisation </fac:operator> [0..1] ?
   <fac:associatedFacility> fac:AssociatedFacility </fac:associatedFacility> [0..*]
   <fac:rates> fac:Rates </fac:rates> [0..1]
   <fac:applicableForVehicles> com:VehicleCharacteristics </fac:applicableForVehicles> [0..*] ?
   <fac:dimension> fac:Dimension </fac:dimension> [0..1]
   <fac:_facilityObjectExtension> com:_ExtensionType </fac:_facilityObjectExtension> [0..1]
   <fac:supplementalFacility> fac:SupplementalFacility </fac:supplementalFacility> [0..*]
   <fac:_facilityExtension> com:_ExtensionType </fac:_facilityExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Facility" abstract="true">
   <xs:complexContent>
      <xs:extension base="fac:FacilityObject">
         <xs:sequence>
            <xs:element name="supplementalFacility" type="fac:SupplementalFacility" minOccurs="0"
            maxOccurs="unbounded"/>
            <xs:element name="_facilityExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: FacilityObject

Super-types: None

Sub-types:

- Facility (by extension)
- SupplementalFacility (by extension)
  - SupplementalEquipment (by extension)
  - SupplementalServiceFacility (by extension)

Name	FacilityObject
Abstract	yes
Documentation	Provides information about a facility object, which may represent any kind of site, building, or structure, including those which supplement a main facility.

XML Instance Representation

```
<...
 id="xs:string [1]"
 version="xs:string [1]">
   <fac:name> com:MultilingualString </fac:name> [0..1] ?
   <fac:alias> com:MultilingualString </fac:alias> [0..*] ?
   <fac:externalIdentifier> com:String </fac:externalIdentifier> [0..1] ?
   <fac:lastUpdated> com:DateTime </fac:lastUpdated> [0..1] ?
   <fac:description> com:MultilingualString </fac:description> [0..1] ?
   <fac:accessibility> fac:_AccessibilityEnum </fac:accessibility> [0..*] ?
   <fac:additionalInformation> com:MultilingualString </fac:additionalInformation> [0..*] ?
   <fac:informationWebsite> com:UrlLink </fac:informationWebsite> [0..*] ?
   <fac:photoUrl> com:UrlLink </fac:photoUrl> [0..*] ?
   <fac:photo> fac:Image </fac:photo> [0..*] ?
   <fac:operatingHours> fac:OperatingHours </fac:operatingHours> [0..1]
   <fac:locationReference> loc:LocationReference </fac:locationReference> [0..1]
   <fac:owner> fac:Organisation </fac:owner> [0..1] ?
   <fac:operator> fac:Organisation </fac:operator> [0..1] ?
   <fac:associatedFacility> fac:AssociatedFacility </fac:associatedFacility> [0..*]
   <fac:rates> fac:Rates </fac:rates> [0..1]
   <fac:applicableForVehicles> com:VehicleCharacteristics </fac:applicableForVehicles> [0..*] ?
   <fac:dimension> fac:Dimension </fac:dimension> [0..1]
   <fac:_facilityObjectExtension> com:_ExtensionType </fac:_facilityObjectExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="FacilityObject" abstract="true">
   <xs:sequence>
      <xs:element name="name" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="alias" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="externalIdentifier" type="com:String" minOccurs="0" maxOccurs="1"/>
      <xs:element name="lastUpdated" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
      <xs:element name="description" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="accessibility" type="fac:_AccessibilityEnum" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="additionalInformation" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="informationWebsite" type="com:UrlLink" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="photoUrl" type="com:UrlLink" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="photo" type="fac:Image" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="operatingHours" type="fac:OperatingHours" minOccurs="0"/>
      <xs:element name="locationReference" type="loc:LocationReference" minOccurs="0"/>
      <xs:element name="owner" type="fac:Organisation" minOccurs="0"/>
      <xs:element name="operator" type="fac:Organisation" minOccurs="0"/>
```

```
      <xs:element name="associatedFacility" type="fac:AssociatedFacility" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="rates" type="fac:Rates" minOccurs="0"/>
      <xs:element name="applicableForVehicles" type="com:VehicleCharacteristics" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="dimension" type="fac:Dimension" minOccurs="0"/>
      <xs:element name="_facilityObjectExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
   <xs:attribute name="id" type="xs:string" use="required"/>
   <xs:attribute name="version" type="xs:string" use="required"/>
</xs:complexType>
```

top

Complex Type: FacilityObjectStatus

Super-types:	None
Sub-types:	• FacilityStatus (by extension)

Name	FacilityObjectStatus
Abstract	no
Documentation	Dynamic status information for a facility object.

XML Instance Representation

```
<...>
   <fac:reference> fac:_FacilityObjectVersionedReference </fac:reference> [1] ?
   <fac:_facilityObjectStatusExtension> com:_ExtensionType </fac:_facilityObjectStatusExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="FacilityObjectStatus">
   <xs:sequence>
      <xs:element name="reference" type="fac:_FacilityObjectVersionedReference" minOccurs="1" maxOccurs="1"/>
      <xs:element name="_facilityObjectStatusExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: FacilityStatus

Super-types:	FacilityObjectStatus < **FacilityStatus** (by extension)
Sub-types:	None

Name	FacilityStatus
Abstract	no
Documentation	Dynamic status information for a facility.

XML Instance Representation

```
<...>
   <fac:reference> fac:_FacilityObjectVersionedReference </fac:reference> [1] ?
   <fac:_facilityObjectStatusExtension> com:_ExtensionType </fac:_facilityObjectStatusExtension> [0..1]
   <fac:_facilityStatusExtension> com:_ExtensionType </fac:_facilityStatusExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="FacilityStatus">
   <xs:complexContent>
      <xs:extension base="fac:FacilityObjectStatus">
         <xs:sequence>
            <xs:element name="_facilityStatusExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: FreeOfCharge

Super-types:	Rates < **FreeOfCharge** (by extension)
Sub-types:	None

Name	FreeOfCharge
Abstract	no
Documentation	There are no rates or fees to be paid.

XML Instance Representation

```
<...>
   <fac:applicableCurrency> fac:CurrencyCode </fac:applicableCurrency> [0..*] ?
   <fac:paymentMethod> fac:PaymentMethod </fac:paymentMethod> [0..1]
   <fac:overallPeriod> com:OverallPeriod </fac:overallPeriod> [0..1]
   <fac:energyPricingPolicy> egi:EnergyPricingPolicy </fac:energyPricingPolicy> [0..1]
   <fac:_ratesExtension> com:_ExtensionType </fac:_ratesExtension> [0..1]
   <fac:_freeOfChargeExtension> com:_ExtensionType </fac:_freeOfChargeExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="FreeOfCharge">
  <xs:complexContent>
    <xs:extension base="fac:Rates">
      <xs:sequence>
        <xs:element name="_freeOfChargeExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: GeneralRateInformation

Super-types:	Rates < **GeneralRateInformation** (by extension)
Sub-types:	None

Name	GeneralRateInformation
Abstract	no
Documentation	Some general rates and payment information without specifying rates as such.

XML Instance Representation

```
<...>
  <fac:applicableCurrency> fac:CurrencyCode </fac:applicableCurrency> [0..*] ?
  <fac:paymentMethod> fac:PaymentMethod </fac:paymentMethod> [0..1]
  <fac:overallPeriod> com:OverallPeriod </fac:overallPeriod> [0..1]
  <fac:energyPricingPolicy> egi:EnergyPricingPolicy </fac:energyPricingPolicy> [0..1]
  <fac:_ratesExtension> com:_ExtensionType </fac:_ratesExtension> [0..1]
  <fac:_generalRateInformationExtension> com:_ExtensionType </fac:_generalRateInformationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="GeneralRateInformation">
  <xs:complexContent>
    <xs:extension base="fac:Rates">
      <xs:sequence>
        <xs:element name="_generalRateInformationExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: Image

Super-types:	None
Sub-types:	None

Name	Image
Abstract	no
Documentation	An image, with encoded data and identification of format

XML Instance Representation

```
<...>
  <fac:imageData> com:Base64Binary </fac:imageData> [1] ?
  <fac:imageFormat> fac:_ImageFormatEnum </fac:imageFormat> [1] ?
  <fac:_imageExtension> com:_ExtensionType </fac:_imageExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Image">
  <xs:sequence>
    <xs:element name="imageData" type="com:Base64Binary" minOccurs="1" maxOccurs="1"/>
    <xs:element name="imageFormat" type="fac:_ImageFormatEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_imageExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

top

Complex Type: OpenAllHours

Super-types:	OperatingHours < **OpenAllHours** (by extension)
Sub-types:	None

Name	OpenAllHours
Abstract	no
Documentation	Open or available all the time (24/7)

XML Instance Representation

```
<...>
  <fac:closureInformation> fac:ClosureInformation </fac:closureInformation> [0..1]
  <fac:_operatingHoursExtension> com:_ExtensionType </fac:_operatingHoursExtension> [0..1]
```

```
   <fac:_openAllHoursExtension> com:_ExtensionType </fac:_openAllHoursExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenAllHours">
   <xs:complexContent>
      <xs:extension base="fac:OperatingHours">
         <xs:sequence>
            <xs:element name="_openAllHoursExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: OperatingHours

Super-types:	None
Sub-types:	• OpenAllHours (by extension) • OperatingHoursByReference (by extension) • OperatingHoursSpecification (by extension) • UndefinedOperatingHours (by extension) • UnknownOperatingHours (by extension)

Name	OperatingHours
Abstract	yes
Documentation	Operating hours, either by reference or by specification.

XML Instance Representation

```
<...>
   <fac:closureInformation> fac:ClosureInformation </fac:closureInformation> [0..1]
   <fac:_operatingHoursExtension> com:_ExtensionType </fac:_operatingHoursExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OperatingHours" abstract="true">
   <xs:sequence>
      <xs:element name="closureInformation" type="fac:ClosureInformation" minOccurs="0"/>
      <xs:element name="_operatingHoursExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: OperatingHoursByReference

Super-types:	OperatingHours < **OperatingHoursByReference** (by extension)
Sub-types:	None

Name	OperatingHoursByReference
Abstract	no
Documentation	Operating hours information that is addressed via a reference.

XML Instance Representation

```
<...>
   <fac:closureInformation> fac:ClosureInformation </fac:closureInformation> [0..1]
   <fac:_operatingHoursExtension> com:_ExtensionType </fac:_operatingHoursExtension> [0..1]
   <fac:operatingHoursReference> fac:_OperatingHoursSpecificationVersionedReference </fac:operatingHoursReference>
   [1] ?
   <fac:operatingHoursTableReference> fac:_OperatingHoursTableVersionedReference </fac:operatingHoursTableReference>
   [0..1] ?
   <fac:_operatingHoursByReferenceExtension> com:_ExtensionType </fac:_operatingHoursByReferenceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OperatingHoursByReference">
   <xs:complexContent>
      <xs:extension base="fac:OperatingHours">
         <xs:sequence>
            <xs:element name="operatingHoursReference" type="fac:_OperatingHoursSpecificationVersionedReference"
            minOccurs="1" maxOccurs="1"/>
            <xs:element name="operatingHoursTableReference" type="fac:_OperatingHoursTableVersionedReference"
            minOccurs="0" maxOccurs="1"/>
            <xs:element name="_operatingHoursByReferenceExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: OperatingHoursSpecification

Super-types:	OperatingHours < **OperatingHoursSpecification** (by extension)
Sub-types:	None

Name	OperatingHoursSpecification
Abstract	no
Documentation	A specification of operating hours (e.g. for a parking site, a service facility, an access or the availability for equipment).

XML Instance Representation

```
<...
 id="xs:string [1]"
 version="xs:string [1]">
   <fac:closureInformation> fac:ClosureInformation </fac:closureInformation> [0..1]
   <fac:_operatingHoursExtension> com:_ExtensionType </fac:_operatingHoursExtension> [0..1]
   <fac:lastUpdated> com:DateTime </fac:lastUpdated> [0..1] ?
   <fac:label> com:String </fac:label> [0..1] ?
   <fac:operatingAllYear> com:Boolean </fac:operatingAllYear> [0..1] ?
   <fac:urlLinkAddress> com:Url </fac:urlLinkAddress> [0..1] ?
   <fac:overallPeriod> com:OverallPeriod </fac:overallPeriod> [1] ?
   <fac:_operatingHoursSpecificationExtension> com:_ExtensionType </fac:_operatingHoursSpecificationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OperatingHoursSpecification">
   <xs:complexContent>
      <xs:extension base="fac:OperatingHours">
         <xs:sequence>
            <xs:element name="lastUpdated" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
            <xs:element name="label" type="com:String" minOccurs="0" maxOccurs="1"/>
            <xs:element name="operatingAllYear" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
            <xs:element name="urlLinkAddress" type="com:Url" minOccurs="0" maxOccurs="1"/>
            <xs:element name="overallPeriod" type="com:OverallPeriod"/>
            <xs:element name="_operatingHoursSpecificationExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
         <xs:attribute name="id" type="xs:string" use="required"/>
         <xs:attribute name="version" type="xs:string" use="required"/>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: Organisation

Super-types:	None
Sub-types:	• OrganisationByReference (by extension) • OrganisationSpecification (by extension) • UndefinedOrganisation (by extension) • UnknownOrganisation (by extension)

Name	Organisation
Abstract	yes
Documentation	Information about an organisation including its units and contact information.

XML Instance Representation

```
<...>
   <fac:generalTimeValidity> com:OverallPeriod </fac:generalTimeValidity> [0..1] ?
   <fac:_organisationExtension> com:_ExtensionType </fac:_organisationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Organisation" abstract="true">
   <xs:sequence>
      <xs:element name="generalTimeValidity" type="com:OverallPeriod" minOccurs="0"/>
      <xs:element name="_organisationExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: OrganisationByReference

Super-types:	Organisation < **OrganisationByReference** (by extension)
Sub-types:	None

Name	OrganisationByReference
Abstract	no
Documentation	Organisation information that is based on a reference

XML Instance Representation

```
<...>
   <fac:generalTimeValidity> com:OverallPeriod </fac:generalTimeValidity> [0..1] ?
   <fac:_organisationExtension> com:_ExtensionType </fac:_organisationExtension> [0..1]
   <fac:organisationReference> fac:_OrganisationSpecificationVersionedReference </fac:organisationReference> [1] ?
   <fac:organisationTableReference> fac:_OrganisationTableVersionedReference </fac:organisationTableReference> [0..1]
   ?
   <fac:_organisationByReferenceExtension> com:_ExtensionType </fac:_organisationByReferenceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OrganisationByReference">
  <xs:complexContent>
    <xs:extension base="fac:Organisation">
      <xs:sequence>
        <xs:element name="organisationReference" type="fac:_OrganisationSpecificationVersionedReference"
        minOccurs="1" maxOccurs="1"/>
        <xs:element name="organisationTableReference" type="fac:_OrganisationTableVersionedReference" minOccurs="0"
        maxOccurs="1"/>
        <xs:element name="_organisationByReferenceExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: OrganisationSpecification

Super-types:	Organisation < **OrganisationSpecification** (by extension)
Sub-types:	None

Name	OrganisationSpecification
Abstract	no
Documentation	Specification of an organisation. It must contain at least one unit.

XML Instance Representation

```
<...
 id="xs:string [1]"
 version="xs:string [1]">
   <fac:generalTimeValidity> com:OverallPeriod </fac:generalTimeValidity> [0..1] ?
   <fac:_organisationExtension> com:_ExtensionType </fac:_organisationExtension> [0..1]
   <fac:lastUpdated> com:DateTime </fac:lastUpdated> [0..1] ?
   <fac:name> com:MultilingualString </fac:name> [1] ?
   <fac:externalCode> com:String </fac:externalCode> [0..1] ?
   <fac:legalName> com:MultilingualString </fac:legalName> [0..1] ?
   <fac:description> com:MultilingualString </fac:description> [0..1] ?
   <fac:linkToGeneralInformation> com:Url </fac:linkToGeneralInformation> [0..1] ?
   <fac:linkToLogo> com:Url </fac:linkToLogo> [0..1] ?
   <fac:linkToWebform> com:Url </fac:linkToWebform> [0..1] ?
   <fac:available24hours> com:Boolean </fac:available24hours> [0..1] ?
   <fac:responsibility> com:MultilingualString </fac:responsibility> [0..*] ?
   <fac:publishingAgreement> com:Boolean </fac:publishingAgreement> [0..1] ?
   <fac:type> fac:_OrganisationTypeEnum </fac:type> [0..1] ?
   <fac:nationalOrganisationNumber> com:String </fac:nationalOrganisationNumber> [0..1] ?
   <fac:nationalRegister> com:String </fac:nationalRegister> [0..1] ?
   <fac:vatIdentificationNumber> com:String </fac:vatIdentificationNumber> [0..1] ?
   <fac:organisationUnit> fac:OrganisationUnit </fac:organisationUnit> [1..*]
   <fac:subOrganisation> fac:Organisation </fac:subOrganisation> [0..*] ?
   <fac:_organisationSpecificationExtension> com:_ExtensionType </fac:_organisationSpecificationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OrganisationSpecification">
  <xs:complexContent>
    <xs:extension base="fac:Organisation">
      <xs:sequence>
        <xs:element name="lastUpdated" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
        <xs:element name="name" type="com:MultilingualString" minOccurs="1" maxOccurs="1"/>
        <xs:element name="externalCode" type="com:String" minOccurs="0" maxOccurs="1"/>
        <xs:element name="legalName" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
        <xs:element name="description" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
        <xs:element name="linkToGeneralInformation" type="com:Url" minOccurs="0" maxOccurs="1"/>
        <xs:element name="linkToLogo" type="com:Url" minOccurs="0" maxOccurs="1"/>
        <xs:element name="linkToWebform" type="com:Url" minOccurs="0" maxOccurs="1"/>
        <xs:element name="available24hours" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="responsibility" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="publishingAgreement" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="type" type="fac:_OrganisationTypeEnum" minOccurs="0" maxOccurs="1"/>
        <xs:element name="nationalOrganisationNumber" type="com:String" minOccurs="0" maxOccurs="1"/>
        <xs:element name="nationalRegister" type="com:String" minOccurs="0" maxOccurs="1"/>
        <xs:element name="vatIdentificationNumber" type="com:String" minOccurs="0" maxOccurs="1"/>
        <xs:element name="organisationUnit" type="fac:OrganisationUnit" maxOccurs="unbounded"/>
        <xs:element name="subOrganisation" type="fac:Organisation" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="_organisationSpecificationExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
      <xs:attribute name="id" type="xs:string" use="required"/>
      <xs:attribute name="version" type="xs:string" use="required"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: OrganisationUnit

Super-types:	None
Sub-types:	None

Name	OrganisationUnit
Abstract	no
Documentation	A unit within the organisation, which has got seperate location, operating hours, address and/or contacts.

XML Instance Representation

```
<...>
   <fac:name> com:MultilingualString </fac:name> [0..1] ?
   <fac:function> com:MultilingualString </fac:function> [0..*] ?
   <fac:locationReference> loc:LocationReference </fac:locationReference> [0..1]
   <fac:contactInformation> fac:ContactInformation </fac:contactInformation> [0..*]
   <fac:operatingHours> fac:OperatingHours </fac:operatingHours> [0..1]
   <fac:_organisationUnitExtension> com:_ExtensionType </fac:_organisationUnitExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OrganisationUnit">
   <xs:sequence>
      <xs:element name="name" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="function" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="locationReference" type="loc:LocationReference" minOccurs="0"/>
      <xs:element name="contactInformation" type="fac:ContactInformation" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="operatingHours" type="fac:OperatingHours" minOccurs="0"/>
      <xs:element name="_organisationUnitExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: PaymentMethod

Super-types:	None
Sub-types:	None

Name	PaymentMethod
Abstract	no
Documentation	Provides information on the means of payment available

XML Instance Representation

```
<...>
   <fac:paymentMeans> fac:_MeansOfPaymentEnum </fac:paymentMeans> [0..*] ?
   <fac:paymentMode> fac:_PaymentTimingEnum </fac:paymentMode> [0..*] ?
   <fac:brandsAcceptedText> fac:BrandsAcceptedText </fac:brandsAcceptedText> [0..*]
   <fac:brandsAcceptedCodeList> fac:BrandsAcceptedCodeList </fac:brandsAcceptedCodeList> [0..*]
   <fac:_paymentMethodExtension> com:_ExtensionType </fac:_paymentMethodExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PaymentMethod">
   <xs:sequence>
      <xs:element name="paymentMeans" type="fac:_MeansOfPaymentEnum" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="paymentMode" type="fac:_PaymentTimingEnum" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="brandsAcceptedText" type="fac:BrandsAcceptedText" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="brandsAcceptedCodeList" type="fac:BrandsAcceptedCodeList" minOccurs="0"
      maxOccurs="unbounded"/>
      <xs:element name="_paymentMethodExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: Qualification

Super-types:	None
Sub-types:	None

Name	Qualification
Abstract	no
Documentation	A singular set of criteria used to test eligibility for use of a rate table.

XML Instance Representation

```
<...>
   <fac:withReservation> com:Boolean </fac:withReservation> [0..1] ?
   <fac:propulsionEnergyType> fac:_EnergySourceEnum </fac:propulsionEnergyType> [0..*] ?
   <fac:noFeeToUse> com:Boolean </fac:noFeeToUse> [0..1] ?
   <fac:withMembership> com:Boolean </fac:withMembership> [0..1] ?
   <fac:membershipName> com:MultilingualString </fac:membershipName> [0..*] ?
   <fac:memberOfOtherRateTable> com:Boolean </fac:memberOfOtherRateTable> [0..1] ?
   <fac:rateTableMember> fac:_RateTableVersionedReference </fac:rateTableMember> [0..*] ?
   <fac:activeAssignedRight> com:String </fac:activeAssignedRight> [0..1] ?
   <fac:paymentMethod> fac:PaymentMethod </fac:paymentMethod> [0..*]
   <fac:vehicleCharacteristics> com:VehicleCharacteristics </fac:vehicleCharacteristics> [0..*]
   <fac:userQualification> fac:UserQualification </fac:userQualification> [0..*]
   <fac:_qualificationExtension> com:_ExtensionType </fac:_qualificationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Qualification">
   <xs:sequence>
      <xs:element name="withReservation" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="propulsionEnergyType" type="fac:_EnergySourceEnum" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="noFeeToUse" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="withMembership" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="membershipName" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
```

```
      <xs:element name="memberOfOtherRateTable" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="rateTableMember" type="fac:_RateTableVersionedReference" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="activeAssignedRight" type="com:String" minOccurs="0" maxOccurs="1"/>
      <xs:element name="paymentMethod" type="fac:PaymentMethod" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="vehicleCharacteristics" type="com:VehicleCharacteristics" minOccurs="0"
      maxOccurs="unbounded"/>
      <xs:element name="userQualification" type="fac:UserQualification" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="_qualificationExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: RateDiscount

Super-types:	None
Sub-types:	None

Name	RateDiscount
Abstract	no
Documentation	Class defining discount rates to be applied to a RateTable

XML Instance Representation

```
<...>
   <fac:discountRate> com:Percentage </fac:discountRate> [0..1] ?
   <fac:fixedValue> fac:AmountInCurrency </fac:fixedValue> [0..1] ?
   <fac:_rateDiscountExtension> com:_ExtensionType </fac:_rateDiscountExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RateDiscount">
   <xs:sequence>
      <xs:element name="discountRate" type="com:Percentage" minOccurs="0" maxOccurs="1"/>
      <xs:element name="fixedValue" type="fac:AmountInCurrency" minOccurs="0"/>
      <xs:element name="_rateDiscountExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: RateEligibility

Super-types:	None
Sub-types:	None

Name	RateEligibility
Abstract	no
Documentation	Defines the combination of Eligibility requirements with RateTables and associates this combination to a RightSpecification.

XML Instance Representation

```
<...>
   <fac:priority> com:Integer </fac:priority> [0..1] ?
   <fac:combinable> com:Boolean </fac:combinable> [0..1] ?
   <fac:rateDiscount> fac:RateDiscount </fac:rateDiscount> [0..1]
   <fac:eligibility> fac:Eligibility </fac:eligibility> [1]
   <fac:rightSpecification> fac:RightSpecification </fac:rightSpecification> [0..*]
   <fac:_rateEligibilityExtension> com:_ExtensionType </fac:_rateEligibilityExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RateEligibility">
   <xs:sequence>
      <xs:element name="priority" type="com:Integer" minOccurs="0" maxOccurs="1"/>
      <xs:element name="combinable" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="rateDiscount" type="fac:RateDiscount" minOccurs="0"/>
      <xs:element name="eligibility" type="fac:Eligibility"/>
      <xs:element name="rightSpecification" type="fac:RightSpecification" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="_rateEligibilityExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: RateLine

Super-types:	None
Sub-types:	None

Name	RateLine
Abstract	no
Documentation	A specific rate element of a rate line collection within a specific rate table.

XML Instance Representation

```
<...
 sequence="com:Integer [1] ?">
```

```
   <fac:rateLineType> fac:_RateLineTypeEnum </fac:rateLineType> [1] ?
   <fac:description> com:MultilingualString </fac:description> [0..1] ?
   <fac:durationStart> com:Time </fac:durationStart> [0..1] ?
   <fac:durationEnd> com:Time </fac:durationEnd> [0..1] ?
   <fac:incrementPeriod> fac:Duration </fac:incrementPeriod> [0..1] ?
   <fac:value> fac:AmountOfMoney </fac:value> [1] ?
   <fac:minValue> fac:AmountOfMoney </fac:minValue> [0..1] ?
   <fac:maxValue> fac:AmountOfMoney </fac:maxValue> [0..1] ?
   <fac:usageCondition> fac:_RateUsageConditionsTypeEnum </fac:usageCondition> [0..1] ?
   <fac:surcharge> fac:Surcharge </fac:surcharge> [0..*]
   <fac:rateLineTax> fac:RateLineTax </fac:rateLineTax> [0..*]
   <fac:_rateLineExtension> com:_ExtensionType </fac:_rateLineExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RateLine">
   <xs:sequence>
      <xs:element name="rateLineType" type="fac:_RateLineTypeEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="description" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="durationStart" type="com:Time" minOccurs="0" maxOccurs="1"/>
      <xs:element name="durationEnd" type="com:Time" minOccurs="0" maxOccurs="1"/>
      <xs:element name="incrementPeriod" type="fac:Duration" minOccurs="0" maxOccurs="1"/>
      <xs:element name="value" type="fac:AmountOfMoney" minOccurs="1" maxOccurs="1"/>
      <xs:element name="minValue" type="fac:AmountOfMoney" minOccurs="0" maxOccurs="1"/>
      <xs:element name="maxValue" type="fac:AmountOfMoney" minOccurs="0" maxOccurs="1"/>
      <xs:element name="usageCondition" type="fac:_RateUsageConditionsTypeEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="surcharge" type="fac:Surcharge" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="rateLineTax" type="fac:RateLineTax" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="_rateLineExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
   <xs:attribute name="sequence" type="com:Integer" use="required"/>
</xs:complexType>
```

top

Complex Type: RateLineCollection

Super-types:	None
Sub-types:	• RelativeTimeRates (by extension)

Name	RateLineCollection
Abstract	no
Documentation	A group of rate line elements that logically group together within one rate table, e.g. such as the rate lines for the different tiers of a time-based tier rate table.

XML Instance Representation

```
<...
 collectionSequence="com:Integer [1] ?">
   <fac:applicableCurrency> fac:CurrencyCode </fac:applicableCurrency> [0..1] ?
   <fac:minValueCollection> fac:AmountOfMoney </fac:minValueCollection> [0..1] ?
   <fac:maxValueCollection> fac:AmountOfMoney </fac:maxValueCollection> [0..1] ?
   <fac:validStart> com:DateTime </fac:validStart> [0..1] ?
   <fac:validEnd> com:DateTime </fac:validEnd> [0..1] ?
   <fac:minTime> fac:Duration </fac:minTime> [0..1] ?
   <fac:maxTime> fac:Duration </fac:maxTime> [0..1] ?
   <fac:resetTime> com:Time </fac:resetTime> [0..1] ?
   <fac:taxIncluded> com:Boolean </fac:taxIncluded> [0..1] ?
   <fac:taxRate> com:Percentage </fac:taxRate> [0..1] ?
   <fac:taxValue> fac:AmountOfMoney </fac:taxValue> [0..1] ?
   <fac:relativeTimes> com:Boolean </fac:relativeTimes> [0..1] ?
   <fac:rateLine> fac:RateLine </fac:rateLine> [1..*]
   <fac:_rateLineCollectionExtension> com:_ExtensionType </fac:_rateLineCollectionExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RateLineCollection">
   <xs:sequence>
      <xs:element name="applicableCurrency" type="fac:CurrencyCode" minOccurs="0" maxOccurs="1"/>
      <xs:element name="minValueCollection" type="fac:AmountOfMoney" minOccurs="0" maxOccurs="1"/>
      <xs:element name="maxValueCollection" type="fac:AmountOfMoney" minOccurs="0" maxOccurs="1"/>
      <xs:element name="validStart" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
      <xs:element name="validEnd" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
      <xs:element name="minTime" type="fac:Duration" minOccurs="0" maxOccurs="1"/>
      <xs:element name="maxTime" type="fac:Duration" minOccurs="0" maxOccurs="1"/>
      <xs:element name="resetTime" type="com:Time" minOccurs="0" maxOccurs="1"/>
      <xs:element name="taxIncluded" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="taxRate" type="com:Percentage" minOccurs="0" maxOccurs="1"/>
      <xs:element name="taxValue" type="fac:AmountOfMoney" minOccurs="0" maxOccurs="1"/>
      <xs:element name="relativeTimes" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="rateLine" type="fac:RateLine" maxOccurs="unbounded"/>
      <xs:element name="_rateLineCollectionExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
   <xs:attribute name="collectionSequence" type="com:Integer" use="required"/>
</xs:complexType>
```

top

Complex Type: RateLineTax

Super-types:	None
Sub-types:	None

Name	RateLineTax
Abstract	no
Documentation	Class containing details of tax to be applied to a RateLine

XML Instance Representation

```
<...>
   <fac:taxValue> fac:AmountOfMoney </fac:taxValue> [0..1] ?
   <fac:taxRate> com:Percentage </fac:taxRate> [0..1] ?
   <fac:taxIncluded> com:Boolean </fac:taxIncluded> [1] ?
   <fac:trigger> com:MultilingualString </fac:trigger> [0..1] ?
   <fac:labelForDisplay> com:MultilingualString </fac:labelForDisplay> [0..1] ?
   <fac:_rateLineTaxExtension> com:_ExtensionType </fac:_rateLineTaxExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RateLineTax">
   <xs:sequence>
      <xs:element name="taxValue" type="fac:AmountOfMoney" minOccurs="0" maxOccurs="1"/>
      <xs:element name="taxRate" type="com:Percentage" minOccurs="0" maxOccurs="1"/>
      <xs:element name="taxIncluded" type="com:Boolean" minOccurs="1" maxOccurs="1"/>
      <xs:element name="trigger" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="labelForDisplay" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="_rateLineTaxExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: RateTable

Super-types:	Rates < **RateTable** (by extension)
Sub-types:	None

Name	RateTable
Abstract	no
Documentation	A specific set of rate charges relating to one or more locations and optionally one set of eligibility criteria.

XML Instance Representation

```
<...
 id="xs:string [1]"
 version="xs:string [1]">
   <fac:applicableCurrency> fac:CurrencyCode </fac:applicableCurrency> [0..*] ?
   <fac:paymentMethod> fac:PaymentMethod </fac:paymentMethod> [0..1]
   <fac:overallPeriod> com:OverallPeriod </fac:overallPeriod> [0..1]
   <fac:energyPricingPolicy> egi:EnergyPricingPolicy </fac:energyPricingPolicy> [0..1]
   <fac:_ratesExtension> com:_ExtensionType </fac:_ratesExtension> [0..1]
   <fac:lastUpdated> com:DateTime </fac:lastUpdated> [0..1] ?
   <fac:rateTableName> com:MultilingualString </fac:rateTableName> [0..1] ?
   <fac:activeTimes> fac:Duration </fac:activeTimes> [0..*] ?
   <fac:availability> fac:_RateAvailabilityTypeEnum </fac:availability> [0..1] ?
   <fac:rateResponsibleParty> fac:_OrganisationVersionedReference </fac:rateResponsibleParty> [0..1] ?
   <fac:rateSupersedeLink> fac:_RateTableVersionedReference </fac:rateSupersedeLink> [0..1] ?
   <fac:validation> com:Boolean </fac:validation> [0..1] ?
   <fac:rateType> fac:_RateTypeEnum </fac:rateType> [0..1] ?
   <fac:validityStart> com:DateTime </fac:validityStart> [0..1] ?
   <fac:validityEnd> com:DateTime </fac:validityEnd> [0..1] ?
   <fac:additionalInformation> com:Url </fac:additionalInformation> [0..1] ?
   <fac:rateLineCollection> fac:RateLineCollection </fac:rateLineCollection> [0..*]
   <fac:rateEligibility> fac:RateEligibility </fac:rateEligibility> [0..1]
   <fac:_rateTableExtension> com:_ExtensionType </fac:_rateTableExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RateTable">
   <xs:complexContent>
      <xs:extension base="fac:Rates">
         <xs:sequence>
            <xs:element name="lastUpdated" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
            <xs:element name="rateTableName" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
            <xs:element name="activeTimes" type="fac:Duration" minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="availability" type="fac:_RateAvailabilityTypeEnum" minOccurs="0" maxOccurs="1"/>
            <xs:element name="rateResponsibleParty" type="fac:_OrganisationVersionedReference" minOccurs="0"
            maxOccurs="1"/>
            <xs:element name="rateSupersedeLink" type="fac:_RateTableVersionedReference" minOccurs="0" maxOccurs="1"/>
            <xs:element name="validation" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
            <xs:element name="rateType" type="fac:_RateTypeEnum" minOccurs="0" maxOccurs="1"/>
            <xs:element name="validityStart" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
            <xs:element name="validityEnd" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
            <xs:element name="additionalInformation" type="com:Url" minOccurs="0" maxOccurs="1"/>
            <xs:element name="rateLineCollection" type="fac:RateLineCollection" minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="rateEligibility" type="fac:RateEligibility" minOccurs="0"/>
            <xs:element name="_rateTableExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
         <xs:attribute name="id" type="xs:string" use="required"/>
         <xs:attribute name="version" type="xs:string" use="required"/>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: Rates

Super-types:	None
Sub-types:	• FreeOfCharge (by extension) • GeneralRateInformation (by extension) • RatesByReference (by extension) • RateTable (by extension) • UnknownRates (by extension) • UnspecifiedRates (by extension)

Name	Rates
Abstract	yes
Documentation	Information about rates, either by reference or by a table specification.

XML Instance Representation

```
<...>
   <fac:applicableCurrency> fac:CurrencyCode </fac:applicableCurrency> [0..*] ?
   <fac:paymentMethod> fac:PaymentMethod </fac:paymentMethod> [0..1]
   <fac:overallPeriod> com:OverallPeriod </fac:overallPeriod> [0..1]
   <fac:energyPricingPolicy> egi:EnergyPricingPolicy </fac:energyPricingPolicy> [0..1]
   <fac:_ratesExtension> com:_ExtensionType </fac:_ratesExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Rates" abstract="true">
   <xs:sequence>
      <xs:element name="applicableCurrency" type="fac:CurrencyCode" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="paymentMethod" type="fac:PaymentMethod" minOccurs="0"/>
      <xs:element name="overallPeriod" type="com:OverallPeriod" minOccurs="0"/>
      <xs:element name="energyPricingPolicy" type="egi:EnergyPricingPolicy" minOccurs="0"/>
      <xs:element name="_ratesExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: RatesByReference

Super-types:	Rates < **RatesByReference** (by extension)
Sub-types:	None

Name	RatesByReference
Abstract	no
Documentation	Reference to a rate table previously specified.

XML Instance Representation

```
<...>
   <fac:applicableCurrency> fac:CurrencyCode </fac:applicableCurrency> [0..*] ?
   <fac:paymentMethod> fac:PaymentMethod </fac:paymentMethod> [0..1]
   <fac:overallPeriod> com:OverallPeriod </fac:overallPeriod> [0..1]
   <fac:energyPricingPolicy> egi:EnergyPricingPolicy </fac:energyPricingPolicy> [0..1]
   <fac:_ratesExtension> com:_ExtensionType </fac:_ratesExtension> [0..1]
   <fac:rateTableReference> fac:_RateTableVersionedReference </fac:rateTableReference> [1] ?
   <fac:rateMatrixReference> fac:_RateMatrixVersionedReference </fac:rateMatrixReference> [0..1] ?
   <fac:_ratesByReferenceExtension> com:_ExtensionType </fac:_ratesByReferenceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RatesByReference">
   <xs:complexContent>
      <xs:extension base="fac:Rates">
         <xs:sequence>
            <xs:element name="rateTableReference" type="fac:_RateTableVersionedReference" minOccurs="1" maxOccurs="1"/>
            <xs:element name="rateMatrixReference" type="fac:_RateMatrixVersionedReference" minOccurs="0"
            maxOccurs="1"/>
            <xs:element name="_ratesByReferenceExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: RelativeTimeRates

Super-types:	RateLineCollection < **RelativeTimeRates** (by extension)
Sub-types:	None

Name	RelativeTimeRates
Abstract	no
Documentation	A class supporting the specification of times for defining rate applicability that are relative to a defined referenceTimeStart of an event.

XML Instance Representation

```
<...
 collectionSequence="com:Integer [1] ?">
   <fac:applicableCurrency> fac:CurrencyCode </fac:applicableCurrency> [0..1] ?
   <fac:minValueCollection> fac:AmountOfMoney </fac:minValueCollection> [0..1] ?
```

```
   <fac:maxValueCollection> fac:AmountOfMoney </fac:maxValueCollection> [0..1] ?
   <fac:validStart> com:DateTime </fac:validStart> [0..1] ?
   <fac:validEnd> com:DateTime </fac:validEnd> [0..1] ?
   <fac:minTime> fac:Duration </fac:minTime> [0..1] ?
   <fac:maxTime> fac:Duration </fac:maxTime> [0..1] ?
   <fac:resetTime> com:Time </fac:resetTime> [0..1] ?
   <fac:taxIncluded> com:Boolean </fac:taxIncluded> [0..1] ?
   <fac:taxRate> com:Percentage </fac:taxRate> [0..1] ?
   <fac:taxValue> fac:AmountOfMoney </fac:taxValue> [0..1] ?
   <fac:relativeTimes> com:Boolean </fac:relativeTimes> [0..1] ?
   <fac:rateLine> fac:RateLine </fac:rateLine> [1..*]
   <fac:_rateLineCollectionExtension> com:_ExtensionType </fac:_rateLineCollectionExtension> [0..1]
   <fac:referenceTimeStart> com:DateTime </fac:referenceTimeStart> [0..1] ?
   <fac:referenceTimeEnd> com:DateTime </fac:referenceTimeEnd> [0..1] ?
   <fac:_relativeTimeRatesExtension> com:_ExtensionType </fac:_relativeTimeRatesExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RelativeTimeRates">
   <xs:complexContent>
      <xs:extension base="fac:RateLineCollection">
         <xs:sequence>
            <xs:element name="referenceTimeStart" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
            <xs:element name="referenceTimeEnd" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
            <xs:element name="_relativeTimeRatesExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: RightSpecification

Super-types:	None
Sub-types:	None

Name	RightSpecification
Abstract	no
Documentation	A Right Specification explicitly defines what the owner/manager of a Place is granting specific users or vehicles the ability to do (e.g. park, delivery, pick up).

XML Instance Representation

```
<...>
   <fac:type> fac:_RightTypeEnum </fac:type> [0..1] ?
   <fac:description> com:MultilingualString </fac:description> [0..*] ?
   <fac:expiry> com:DateTime </fac:expiry> [0..1] ?
   <fac:financialReference> com:String </fac:financialReference> [0..1] ?
   <fac:issuer> fac:_OrganisationVersionedReference </fac:issuer> [0..1] ?
   <fac:noFeeToUse> com:Boolean </fac:noFeeToUse> [0..1] ?
   <fac:credential> fac:Credential </fac:credential> [0..*]
   <fac:validity> com:Validity </fac:validity> [0..1]
   <fac:_rightSpecificationExtension> com:_ExtensionType </fac:_rightSpecificationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RightSpecification">
   <xs:sequence>
      <xs:element name="type" type="fac:_RightTypeEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="description" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="expiry" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
      <xs:element name="financialReference" type="com:String" minOccurs="0" maxOccurs="1"/>
      <xs:element name="issuer" type="fac:_OrganisationVersionedReference" minOccurs="0" maxOccurs="1"/>
      <xs:element name="noFeeToUse" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="credential" type="fac:Credential" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="validity" type="com:Validity" minOccurs="0"/>
      <xs:element name="_rightSpecificationExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: SupplementalEquipment

Super-types:	FacilityObject < SupplementalFacility (by extension) < **SupplementalEquipment** (by extension)
Sub-types:	None

Name	SupplementalEquipment
Abstract	no
Documentation	One type of supplemental equipment, which is available on some site, for example on a rest area.

XML Instance Representation

```
<...
 id="xs:string [1]"
 version="xs:string [1]">
   <fac:name> com:MultilingualString </fac:name> [0..1] ?
   <fac:alias> com:MultilingualString </fac:alias> [0..*] ?
   <fac:externalIdentifier> com:String </fac:externalIdentifier> [0..1] ?
   <fac:lastUpdated> com:DateTime </fac:lastUpdated> [0..1] ?
   <fac:description> com:MultilingualString </fac:description> [0..1] ?
```

```
   <fac:accessibility> fac:_AccessibilityEnum </fac:accessibility> [0..*] ?
   <fac:additionalInformation> com:MultilingualString </fac:additionalInformation> [0..*] ?
   <fac:informationWebsite> com:UrlLink </fac:informationWebsite> [0..*] ?
   <fac:photoUrl> com:UrlLink </fac:photoUrl> [0..*] ?
   <fac:photo> fac:Image </fac:photo> [0..*] ?
   <fac:operatingHours> fac:OperatingHours </fac:operatingHours> [0..1]
   <fac:locationReference> loc:LocationReference </fac:locationReference> [0..1]
   <fac:owner> fac:Organisation </fac:owner> [0..1] ?
   <fac:operator> fac:Organisation </fac:operator> [0..1] ?
   <fac:associatedFacility> fac:AssociatedFacility </fac:associatedFacility> [0..*]
   <fac:rates> fac:Rates </fac:rates> [0..1]
   <fac:applicableForVehicles> com:VehicleCharacteristics </fac:applicableForVehicles> [0..*] ?
   <fac:dimension> fac:Dimension </fac:dimension> [0..1]
   <fac:_facilityObjectExtension> com:_ExtensionType </fac:_facilityObjectExtension> [0..1]
   <fac:availability> fac:_AvailabilityEnum </fac:availability> [0..1] ?
   <fac:quantity> com:NonNegativeInteger </fac:quantity> [0..1] ?
   <fac:regularlyCleaned> com:Boolean </fac:regularlyCleaned> [0..1] ?
   <fac:applicableForUser> fac:_UserTypeEnum </fac:applicableForUser> [0..*] ?
   <fac:_supplementalFacilityExtension> com:_ExtensionType </fac:_supplementalFacilityExtension> [0..1]
   <fac:equipmentType> fac:_EquipmentTypeEnum </fac:equipmentType> [1] ?
   <fac:_supplementalEquipmentExtension> com:_ExtensionType </fac:_supplementalEquipmentExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="SupplementalEquipment">
   <xs:complexContent>
      <xs:extension base="fac:SupplementalFacility">
         <xs:sequence>
            <xs:element name="equipmentType" type="fac:_EquipmentTypeEnum" minOccurs="1" maxOccurs="1"/>
            <xs:element name="_supplementalEquipmentExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: SupplementalFacility

Super-types: FacilityObject < **SupplementalFacility** (by extension)

Sub-types:

- SupplementalEquipment (by extension)
- SupplementalServiceFacility (by extension)

Name	SupplementalFacility
Abstract	yes
Documentation	One type of supplemental facility which can be supplemental equipment or a supplemental service facility.

XML Instance Representation

```
<...
 id="xs:string [1]"
 version="xs:string [1]">
   <fac:name> com:MultilingualString </fac:name> [0..1] ?
   <fac:alias> com:MultilingualString </fac:alias> [0..*] ?
   <fac:externalIdentifier> com:String </fac:externalIdentifier> [0..1] ?
   <fac:lastUpdated> com:DateTime </fac:lastUpdated> [0..1] ?
   <fac:description> com:MultilingualString </fac:description> [0..1] ?
   <fac:accessibility> fac:_AccessibilityEnum </fac:accessibility> [0..*] ?
   <fac:additionalInformation> com:MultilingualString </fac:additionalInformation> [0..*] ?
   <fac:informationWebsite> com:UrlLink </fac:informationWebsite> [0..*] ?
   <fac:photoUrl> com:UrlLink </fac:photoUrl> [0..*] ?
   <fac:photo> fac:Image </fac:photo> [0..*] ?
   <fac:operatingHours> fac:OperatingHours </fac:operatingHours> [0..1]
   <fac:locationReference> loc:LocationReference </fac:locationReference> [0..1]
   <fac:owner> fac:Organisation </fac:owner> [0..1] ?
   <fac:operator> fac:Organisation </fac:operator> [0..1] ?
   <fac:associatedFacility> fac:AssociatedFacility </fac:associatedFacility> [0..*]
   <fac:rates> fac:Rates </fac:rates> [0..1]
   <fac:applicableForVehicles> com:VehicleCharacteristics </fac:applicableForVehicles> [0..*] ?
   <fac:dimension> fac:Dimension </fac:dimension> [0..1]
   <fac:_facilityObjectExtension> com:_ExtensionType </fac:_facilityObjectExtension> [0..1]
   <fac:availability> fac:_AvailabilityEnum </fac:availability> [0..1] ?
   <fac:quantity> com:NonNegativeInteger </fac:quantity> [0..1] ?
   <fac:regularlyCleaned> com:Boolean </fac:regularlyCleaned> [0..1] ?
   <fac:applicableForUser> fac:_UserTypeEnum </fac:applicableForUser> [0..*] ?
   <fac:_supplementalFacilityExtension> com:_ExtensionType </fac:_supplementalFacilityExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="SupplementalFacility" abstract="true">
   <xs:complexContent>
      <xs:extension base="fac:FacilityObject">
         <xs:sequence>
            <xs:element name="availability" type="fac:_AvailabilityEnum" minOccurs="0" maxOccurs="1"/>
            <xs:element name="quantity" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
            <xs:element name="regularlyCleaned" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
            <xs:element name="applicableForUser" type="fac:_UserTypeEnum" minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="_supplementalFacilityExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: SupplementalServiceFacility

Super-types:	FacilityObject < SupplementalFacility (by extension) < **SupplementalServiceFacility** (by extension)
Sub-types:	None

Name	SupplementalServiceFacility
Abstract	no
Documentation	One type of supplemental service facility. You can specify the number of this service facility type (e.g. 5 restaurants) as well as the number of subitems (e.g. 200 restaurant places).

XML Instance Representation

```
<...
 id="xs:string [1]"
 version="xs:string [1]">
   <fac:name> com:MultilingualString </fac:name> [0..1] ?
   <fac:alias> com:MultilingualString </fac:alias> [0..*] ?
   <fac:externalIdentifier> com:String </fac:externalIdentifier> [0..1] ?
   <fac:lastUpdated> com:DateTime </fac:lastUpdated> [0..1] ?
   <fac:description> com:MultilingualString </fac:description> [0..1] ?
   <fac:accessibility> fac:_AccessibilityEnum </fac:accessibility> [0..*] ?
   <fac:additionalInformation> com:MultilingualString </fac:additionalInformation> [0..*] ?
   <fac:informationWebsite> com:UrlLink </fac:informationWebsite> [0..*] ?
   <fac:photoUrl> com:UrlLink </fac:photoUrl> [0..*] ?
   <fac:photo> fac:Image </fac:photo> [0..*] ?
   <fac:operatingHours> fac:OperatingHours </fac:operatingHours> [0..1]
   <fac:locationReference> loc:LocationReference </fac:locationReference> [0..1]
   <fac:owner> fac:Organisation </fac:owner> [0..1] ?
   <fac:operator> fac:Organisation </fac:operator> [0..1] ?
   <fac:associatedFacility> fac:AssociatedFacility </fac:associatedFacility> [0..*]
   <fac:rates> fac:Rates </fac:rates> [0..1]
   <fac:applicableForVehicles> com:VehicleCharacteristics </fac:applicableForVehicles> [0..*] ?
   <fac:dimension> fac:Dimension </fac:dimension> [0..1]
   <fac:_facilityObjectExtension> com:_ExtensionType </fac:_facilityObjectExtension> [0..1]
   <fac:availability> fac:_AvailabilityEnum </fac:availability> [0..1] ?
   <fac:quantity> com:NonNegativeInteger </fac:quantity> [0..1] ?
   <fac:regularlyCleaned> com:Boolean </fac:regularlyCleaned> [0..1] ?
   <fac:applicableForUser> fac:_UserTypeEnum </fac:applicableForUser> [0..*] ?
   <fac:_supplementalFacilityExtension> com:_ExtensionType </fac:_supplementalFacilityExtension> [0..1]
   <fac:serviceFacilityType> fac:_ServiceFacilityTypeEnum </fac:serviceFacilityType> [1] ?
   <fac:numberOfSubitems> com:NonNegativeInteger </fac:numberOfSubitems> [0..1] ?
   <fac:distanceFromOriginFacility> com:MetresAsNonNegativeInteger </fac:distanceFromOriginFacility> [0..1] ?
   <fac:_supplementalServiceFacilityExtension> com:_ExtensionType </fac:_supplementalServiceFacilityExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="SupplementalServiceFacility">
   <xs:complexContent>
      <xs:extension base="fac:SupplementalFacility">
         <xs:sequence>
            <xs:element name="serviceFacilityType" type="fac:_ServiceFacilityTypeEnum" minOccurs="1" maxOccurs="1"/>
            <xs:element name="numberOfSubitems" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
            <xs:element name="distanceFromOriginFacility" type="com:MetresAsNonNegativeInteger" minOccurs="0"
            maxOccurs="1"/>
            <xs:element name="_supplementalServiceFacilityExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: Surcharge

Super-types:	None
Sub-types:	None

Name	Surcharge
Abstract	no
Documentation	Free-text description of the condition that leads to a surcharge being applied

XML Instance Representation

```
<...>
   <fac:surchargeType> fac:_SurchargeTypeEnum </fac:surchargeType> [1] ?
   <fac:value> fac:AmountOfMoney </fac:value> [0..1] ?
   <fac:rate> com:Percentage </fac:rate> [0..1] ?
   <fac:trigger> com:MultilingualString </fac:trigger> [0..1] ?
   <fac:refund> fac:_RefundTypeEnum </fac:refund> [0..1] ?
   <fac:labelForDisplay> com:MultilingualString </fac:labelForDisplay> [0..1] ?
   <fac:_surchargeExtension> com:_ExtensionType </fac:_surchargeExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Surcharge">
   <xs:sequence>
      <xs:element name="surchargeType" type="fac:_SurchargeTypeEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="value" type="fac:AmountOfMoney" minOccurs="0" maxOccurs="1"/>
      <xs:element name="rate" type="com:Percentage" minOccurs="0" maxOccurs="1"/>
      <xs:element name="trigger" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="refund" type="fac:_RefundTypeEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="labelForDisplay" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="_surchargeExtension" type="com:_ExtensionType" minOccurs="0"/>
```

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

top

Complex Type: UndefinedOperatingHours

Super-types:	OperatingHours < **UndefinedOperatingHours** (by extension)
Sub-types:	None

Name	UndefinedOperatingHours
Abstract	no
Documentation	There are no operating hours specified.

XML Instance Representation

```
<...>
   <fac:closureInformation> fac:ClosureInformation </fac:closureInformation> [0..1]
   <fac:_operatingHoursExtension> com:_ExtensionType </fac:_operatingHoursExtension> [0..1]
   <fac:_undefinedOperatingHoursExtension> com:_ExtensionType </fac:_undefinedOperatingHoursExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="UndefinedOperatingHours">
   <xs:complexContent>
      <xs:extension base="fac:OperatingHours">
         <xs:sequence>
            <xs:element name="_undefinedOperatingHoursExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: UndefinedOrganisation

Super-types:	Organisation < **UndefinedOrganisation** (by extension)
Sub-types:	None

Name	UndefinedOrganisation
Abstract	no
Documentation	The organisation for the specified association end (within the specified validity if applicable) is not defined.

XML Instance Representation

```
<...>
   <fac:generalTimeValidity> com:OverallPeriod </fac:generalTimeValidity> [0..1] ?
   <fac:_organisationExtension> com:_ExtensionType </fac:_organisationExtension> [0..1]
   <fac:_undefinedOrganisationExtension> com:_ExtensionType </fac:_undefinedOrganisationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="UndefinedOrganisation">
   <xs:complexContent>
      <xs:extension base="fac:Organisation">
         <xs:sequence>
            <xs:element name="_undefinedOrganisationExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: UnknownOperatingHours

Super-types:	OperatingHours < **UnknownOperatingHours** (by extension)
Sub-types:	None

Name	UnknownOperatingHours
Abstract	no
Documentation	The operating hours are not known.

XML Instance Representation

```
<...>
   <fac:closureInformation> fac:ClosureInformation </fac:closureInformation> [0..1]
   <fac:_operatingHoursExtension> com:_ExtensionType </fac:_operatingHoursExtension> [0..1]
   <fac:_unknownOperatingHoursExtension> com:_ExtensionType </fac:_unknownOperatingHoursExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="UnknownOperatingHours">
   <xs:complexContent>
      <xs:extension base="fac:OperatingHours">
         <xs:sequence>
            <xs:element name="_unknownOperatingHoursExtension" type="com:_ExtensionType" minOccurs="0"/>
```

```
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: UnknownOrganisation

Super-types:	Organisation < **UnknownOrganisation** (by extension)
Sub-types:	None

Name	UnknownOrganisation
Abstract	no
Documentation	The organisation for the specified association end (within the specified validity if applicable) is unknown.

XML Instance Representation

```
<...>
  <fac:generalTimeValidity> com:OverallPeriod </fac:generalTimeValidity> [0..1] ?
  <fac:_organisationExtension> com:_ExtensionType </fac:_organisationExtension> [0..1]
  <fac:_unknownOrganisationExtension> com:_ExtensionType </fac:_unknownOrganisationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="UnknownOrganisation">
  <xs:complexContent>
    <xs:extension base="fac:Organisation">
      <xs:sequence>
        <xs:element name="_unknownOrganisationExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: UnknownRates

Super-types:	Rates < **UnknownRates** (by extension)
Sub-types:	None

Name	UnknownRates
Abstract	no
Documentation	There is no information about rates.

XML Instance Representation

```
<...>
  <fac:applicableCurrency> fac:CurrencyCode </fac:applicableCurrency> [0..*] ?
  <fac:paymentMethod> fac:PaymentMethod </fac:paymentMethod> [0..1]
  <fac:overallPeriod> com:OverallPeriod </fac:overallPeriod> [0..1]
  <fac:energyPricingPolicy> egi:EnergyPricingPolicy </fac:energyPricingPolicy> [0..1]
  <fac:_ratesExtension> com:_ExtensionType </fac:_ratesExtension> [0..1]
  <fac:_unknownRatesExtension> com:_ExtensionType </fac:_unknownRatesExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="UnknownRates">
  <xs:complexContent>
    <xs:extension base="fac:Rates">
      <xs:sequence>
        <xs:element name="_unknownRatesExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: UnspecifiedRates

Super-types:	Rates < **UnspecifiedRates** (by extension)
Sub-types:	None

Name	UnspecifiedRates
Abstract	no
Documentation	Rates are not (yet) specified.

XML Instance Representation

```
<...>
  <fac:applicableCurrency> fac:CurrencyCode </fac:applicableCurrency> [0..*] ?
  <fac:paymentMethod> fac:PaymentMethod </fac:paymentMethod> [0..1]
  <fac:overallPeriod> com:OverallPeriod </fac:overallPeriod> [0..1]
  <fac:energyPricingPolicy> egi:EnergyPricingPolicy </fac:energyPricingPolicy> [0..1]
  <fac:_ratesExtension> com:_ExtensionType </fac:_ratesExtension> [0..1]
  <fac:_unspecifiedRatesExtension> com:_ExtensionType </fac:_unspecifiedRatesExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="UnspecifiedRates">
  <xs:complexContent>
    <xs:extension base="fac:Rates">
      <xs:sequence>
        <xs:element name="_unspecifiedRatesExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: UserQualification

Super-types:	None
Sub-types:	None

Name	UserQualification
Abstract	no
Documentation	Class supporting the definition of user group characteristics

XML Instance Representation

```
<...>
  <fac:userGroup> fac:_UserTypeEnum </fac:userGroup> [1] ?
  <fac:_userQualificationExtension> com:_ExtensionType </fac:_userQualificationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="UserQualification">
  <xs:sequence>
    <xs:element name="userGroup" type="fac:_UserTypeEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_userQualificationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

top

Complex Type: _AccessibilityEnum

Super-types:	xs:string < AccessibilityEnum (by restriction) < **_AccessibilityEnum** (by extension)
Sub-types:	None

Name	_AccessibilityEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  fac:AccessibilityEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_AccessibilityEnum">
  <xs:simpleContent>
    <xs:extension base="fac:AccessibilityEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _AvailabilityEnum

Super-types:	xs:string < AvailabilityEnum (by restriction) < **_AvailabilityEnum** (by extension)
Sub-types:	None

Name	_AvailabilityEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  fac:AvailabilityEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_AvailabilityEnum">
  <xs:simpleContent>
    <xs:extension base="fac:AvailabilityEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _CredentialTypeEnum

Super-types:	xs:string < CredentialTypeEnum (by restriction) < **_CredentialTypeEnum** (by extension)
Sub-types:	None

Name _CredentialTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   fac:CredentialTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_CredentialTypeEnum">
   <xs:simpleContent>
      <xs:extension base="fac:CredentialTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _EnergySourceEnum

Super-types:	xs:string < EnergySourceEnum (by restriction) < **_EnergySourceEnum** (by extension)
Sub-types:	None

Name _EnergySourceEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   fac:EnergySourceEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_EnergySourceEnum">
   <xs:simpleContent>
      <xs:extension base="fac:EnergySourceEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _EquipmentTypeEnum

Super-types:	xs:string < EquipmentTypeEnum (by restriction) < **_EquipmentTypeEnum** (by extension)
Sub-types:	None

Name _EquipmentTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   fac:EquipmentTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_EquipmentTypeEnum">
   <xs:simpleContent>
      <xs:extension base="fac:EquipmentTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _FacilityObjectVersionedReference

Super-types:	com:VersionedReference < **_FacilityObjectVersionedReference** (by extension)
Sub-types:	None

Name _FacilityObjectVersionedReference

Abstract no

XML Instance Representation

```
<...
 targetClass="fac:FacilityObject [1]">
   <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
   missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_FacilityObjectVersionedReference">
   <xs:complexContent>
      <xs:extension base="com:VersionedReference">
         <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:FacilityObject"/>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: _FacilityTypeEnum

Super-types:	xs:string < FacilityTypeEnum (by restriction) < **_FacilityTypeEnum** (by extension)
Sub-types:	None

Name _FacilityTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   fac:FacilityTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_FacilityTypeEnum">
   <xs:simpleContent>
      <xs:extension base="fac:FacilityTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ImageFormatEnum

Super-types:	xs:string < ImageFormatEnum (by restriction) < **_ImageFormatEnum** (by extension)
Sub-types:	None

Name _ImageFormatEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   fac:ImageFormatEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ImageFormatEnum">
   <xs:simpleContent>
      <xs:extension base="fac:ImageFormatEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _MeansOfPaymentEnum

Super-types:	xs:string < MeansOfPaymentEnum (by restriction) < **_MeansOfPaymentEnum** (by extension)
Sub-types:	None

Name _MeansOfPaymentEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   fac:MeansOfPaymentEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_MeansOfPaymentEnum">
  <xs:simpleContent>
    <xs:extension base="fac:MeansOfPaymentEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _OperatingHoursSpecificationVersionedReference

Super-types:	com:VersionedReference < **_OperatingHoursSpecificationVersionedReference** (by extension)
Sub-types:	None

Name _OperatingHoursSpecificationVersionedReference

Abstract no

XML Instance Representation

```
<...
 targetClass="fac:OperatingHoursSpecification [1]">
  <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
  missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_OperatingHoursSpecificationVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:OperatingHoursSpecification"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: _OperatingHoursTableVersionedReference

Super-types:	com:VersionedReference < **_OperatingHoursTableVersionedReference** (by extension)
Sub-types:	None

Name _OperatingHoursTableVersionedReference

Abstract no

XML Instance Representation

```
<...
 targetClass="fac:OperatingHoursTable [1]">
  <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
  missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_OperatingHoursTableVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:OperatingHoursTable"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: _OperationStatusEnum

Super-types:	xs:string < OperationStatusEnum (by restriction) < **_OperationStatusEnum** (by extension)
Sub-types:	None

Name _OperationStatusEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  fac:OperationStatusEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_OperationStatusEnum">
  <xs:simpleContent>
    <xs:extension base="fac:OperationStatusEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _OrganisationSpecificationVersionedReference

Super-types:	com:VersionedReference < **_OrganisationSpecificationVersionedReference** (by extension)
Sub-types:	None

Name	_OrganisationSpecificationVersionedReference
Abstract	no

XML Instance Representation

```
<...
 targetClass="fac:OrganisationSpecification [1]">
   <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
   missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_OrganisationSpecificationVersionedReference">
   <xs:complexContent>
      <xs:extension base="com:VersionedReference">
         <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:OrganisationSpecification"/>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: _OrganisationTableVersionedReference

Super-types:	com:VersionedReference < **_OrganisationTableVersionedReference** (by extension)
Sub-types:	None

Name	_OrganisationTableVersionedReference
Abstract	no

XML Instance Representation

```
<...
 targetClass="fac:OrganisationTable [1]">
   <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
   missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_OrganisationTableVersionedReference">
   <xs:complexContent>
      <xs:extension base="com:VersionedReference">
         <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:OrganisationTable"/>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: _OrganisationTypeEnum

Super-types:	xs:string < OrganisationTypeEnum (by restriction) < **_OrganisationTypeEnum** (by extension)
Sub-types:	None

Name	_OrganisationTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   fac:OrganisationTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_OrganisationTypeEnum">
   <xs:simpleContent>
      <xs:extension base="fac:OrganisationTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _OrganisationVersionedReference

Super-types:	com:VersionedReference < **_OrganisationVersionedReference** (by extension)
Sub-types:	None

Name	_OrganisationVersionedReference
Abstract	no

XML Instance Representation

```
<...
 targetClass="fac:Organisation [1]">
   <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
   missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_OrganisationVersionedReference">
   <xs:complexContent>
      <xs:extension base="com:VersionedReference">
         <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:Organisation"/>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: _PaymentBrandsEnum

Super-types:	xs:string < PaymentBrandsEnum (by restriction) < **_PaymentBrandsEnum** (by extension)
Sub-types:	None

Name	_PaymentBrandsEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   fac:PaymentBrandsEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_PaymentBrandsEnum">
   <xs:simpleContent>
      <xs:extension base="fac:PaymentBrandsEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _PaymentTimingEnum

Super-types:	xs:string < PaymentTimingEnum (by restriction) < **_PaymentTimingEnum** (by extension)
Sub-types:	None

Name	_PaymentTimingEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   fac:PaymentTimingEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_PaymentTimingEnum">
   <xs:simpleContent>
      <xs:extension base="fac:PaymentTimingEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _RateAvailabilityTypeEnum

Super-types:	xs:string < RateAvailabilityTypeEnum (by restriction) < **_RateAvailabilityTypeEnum** (by extension)
Sub-types:	None

Name	_RateAvailabilityTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   fac:RateAvailabilityTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_RateAvailabilityTypeEnum">
   <xs:simpleContent>
```

```
    <xs:extension base="fac:RateAvailabilityTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _RateLineTypeEnum

Super-types:	xs:string < RateLineTypeEnum (by restriction) < **_RateLineTypeEnum** (by extension)
Sub-types:	None

Name	_RateLineTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  fac:RateLineTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_RateLineTypeEnum">
  <xs:simpleContent>
    <xs:extension base="fac:RateLineTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _RateMatrixVersionedReference

Super-types:	com:VersionedReference < **_RateMatrixVersionedReference** (by extension)
Sub-types:	None

Name	_RateMatrixVersionedReference
Abstract	no

XML Instance Representation

```
<...
 targetClass="fac:RateMatrix [1]">
  <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
  missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_RateMatrixVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:RateMatrix"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: _RateTableVersionedReference

Super-types:	com:VersionedReference < **_RateTableVersionedReference** (by extension)
Sub-types:	None

Name	_RateTableVersionedReference
Abstract	no

XML Instance Representation

```
<...
 targetClass="fac:RateTable [1]">
  <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
  missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_RateTableVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:RateTable"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: _RateTypeEnum

Super-types:	xs:string < RateTypeEnum (by restriction) < **_RateTypeEnum** (by extension)
Sub-types:	None

Name _RateTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   fac:RateTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_RateTypeEnum">
   <xs:simpleContent>
      <xs:extension base="fac:RateTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _RateUsageConditionsTypeEnum

Super-types:	xs:string < RateUsageConditionsTypeEnum (by restriction) < **_RateUsageConditionsTypeEnum** (by extension)
Sub-types:	None

Name _RateUsageConditionsTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   fac:RateUsageConditionsTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_RateUsageConditionsTypeEnum">
   <xs:simpleContent>
      <xs:extension base="fac:RateUsageConditionsTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _RefundTypeEnum

Super-types:	xs:string < RefundTypeEnum (by restriction) < **_RefundTypeEnum** (by extension)
Sub-types:	None

Name _RefundTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   fac:RefundTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_RefundTypeEnum">
   <xs:simpleContent>
      <xs:extension base="fac:RefundTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ReservationTypeEnum

Super-types:	xs:string < ReservationTypeEnum (by restriction) < **_ReservationTypeEnum** (by extension)
Sub-types:	None

Name _ReservationTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  fac:ReservationTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ReservationTypeEnum">
   <xs:simpleContent>
      <xs:extension base="fac:ReservationTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _RightTypeEnum

Super-types:	xs:string < RightTypeEnum (by restriction) < **_RightTypeEnum** (by extension)
Sub-types:	None

Name	_RightTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  fac:RightTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_RightTypeEnum">
   <xs:simpleContent>
      <xs:extension base="fac:RightTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ServiceFacilityTypeEnum

Super-types:	xs:string < ServiceFacilityTypeEnum (by restriction) < **_ServiceFacilityTypeEnum** (by extension)
Sub-types:	None

Name	_ServiceFacilityTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  fac:ServiceFacilityTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ServiceFacilityTypeEnum">
   <xs:simpleContent>
      <xs:extension base="fac:ServiceFacilityTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _SurchargeTypeEnum

Super-types:	xs:string < SurchargeTypeEnum (by restriction) < **_SurchargeTypeEnum** (by extension)
Sub-types:	None

Name	_SurchargeTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  fac:SurchargeTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_SurchargeTypeEnum">
   <xs:simpleContent>
      <xs:extension base="fac:SurchargeTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
```

```
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _UserTypeEnum

Super-types:	xs:string < UserTypeEnum (by restriction) < **_UserTypeEnum** (by extension)
Sub-types:	None

Name _UserTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  fac:UserTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_UserTypeEnum">
  <xs:simpleContent>
    <xs:extension base="fac:UserTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Simple Type: AccessibilityEnum

Super-types:	xs:string < **AccessibilityEnum** (by restriction)
Sub-types:	• _AccessibilityEnum (by extension)

Name AccessibilityEnum

Content

- Base XSD Type: string
- *value* comes from list: {'barrierFreeAccessible'|'disabilityAccessible'|'wheelChairAccessible'|'disabilityFacilities'|'orientationSystemForBlindPeople'|'marking'|'none'|'unknown

Documentation Information on accessibility and facilities for persons with disabilities.

Schema Component Representation

```
<xs:simpleType name="AccessibilityEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="barrierFreeAccessible"/>
    <xs:enumeration value="disabilityAccessible"/>
    <xs:enumeration value="wheelChairAccessible"/>
    <xs:enumeration value="disabilityFacilities"/>
    <xs:enumeration value="orientationSystemForBlindPeople"/>
    <xs:enumeration value="marking"/>
    <xs:enumeration value="none"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: AmountOfMoney

Super-types:	com:Decimal < **AmountOfMoney** (by restriction)
Sub-types:	None

Name AmountOfMoney

Content

- **'Decimal' super type was not found in this schema. Its facets could not be printed out.**
- *total no. of digits* = 8
- *no. of fraction digits* = 2

Documentation A monetary value expressed to two decimal places.

Schema Component Representation

```
<xs:simpleType name="AmountOfMoney">
  <xs:restriction base="com:Decimal">
    <xs:totalDigits value="8"/>
    <xs:fractionDigits value="2"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: AvailabilityEnum

Super-types:	xs:string < **AvailabilityEnum** (by restriction)
Sub-types:	• _AvailabilityEnum (by extension)

Name AvailabilityEnum

Content

- Base XSD Type: string
- *value* comes from list: {'available'|'notAvailable'|'unknown'|'_extended'}

Documentation An enumeration which states if something is available or not.

Schema Component Representation

```
<xs:simpleType name="AvailabilityEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="available"/>
    <xs:enumeration value="notAvailable"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: CredentialTypeEnum

Super-types:	xs:string < **CredentialTypeEnum** (by restriction)
Sub-types:	• _CredentialTypeEnum (by extension)

Name CredentialTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'hangtag'|'permit'|'licensePlate'|'ticket'|'eticket'|'barcode'|'bluetooth'|'rfid'|'qrCode'|'other'|'_extended'}

Documentation A list of the supported credential types available for reference.

Schema Component Representation

```
<xs:simpleType name="CredentialTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="hangtag"/>
    <xs:enumeration value="permit"/>
    <xs:enumeration value="licensePlate"/>
    <xs:enumeration value="ticket"/>
    <xs:enumeration value="eticket"/>
    <xs:enumeration value="barcode"/>
    <xs:enumeration value="bluetooth"/>
    <xs:enumeration value="rfid"/>
    <xs:enumeration value="qrCode"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: CurrencyCode

Super-types:	com:String < **CurrencyCode** (by restriction)
Sub-types:	None

Name CurrencyCode

Content

- **'String' super type was not found in this schema. Its facets could not be printed out.**
- *pattern* = [A-Z][A-Z][A-Z]

Documentation Three letter code defining the currency according to ISO 4217:2015 (e.g. EUR for Euro).

Schema Component Representation

```
<xs:simpleType name="CurrencyCode">
  <xs:restriction base="com:String">
    <xs:pattern value="[A-Z][A-Z][A-Z]"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: Duration

Super-types:	xs:duration < **Duration** (by restriction)
Sub-types:	None

Name Duration

Content

- Base XSD Type: duration

Documentation A duration of time, which may consist of years, months, days, hours, minutes, and seconds components, as

defined in ISO 8601.

Schema Component Representation

```
<xs:simpleType name="Duration">
  <xs:restriction base="xs:duration"/>
</xs:simpleType>
```

top

Simple Type: EnergySourceEnum

Super-types: xs:string < **EnergySourceEnum** (by restriction)

Sub-types:
- _EnergySourceEnum (by extension)

Name EnergySourceEnum

Content
- Base XSD Type: string
- *value* comes from list: {'all'|'battery'|'biodiesel'|'diesel'|'dieselBatteryHybrid'|'ethanol'|'hydrogen'|'liquidGas'|'lpg'|'methane'|'petrol'|'petrol95Octane'|'petrol98Octane'|'petrolBatt

Documentation Type of fuel used by a vehicle.

Schema Component Representation

```
<xs:simpleType name="EnergySourceEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="all"/>
    <xs:enumeration value="battery"/>
    <xs:enumeration value="biodiesel"/>
    <xs:enumeration value="diesel"/>
    <xs:enumeration value="dieselBatteryHybrid"/>
    <xs:enumeration value="ethanol"/>
    <xs:enumeration value="hydrogen"/>
    <xs:enumeration value="liquidGas"/>
    <xs:enumeration value="lpg"/>
    <xs:enumeration value="methane"/>
    <xs:enumeration value="petrol"/>
    <xs:enumeration value="petrol95Octane"/>
    <xs:enumeration value="petrol98Octane"/>
    <xs:enumeration value="petrolBatteryHybrid"/>
    <xs:enumeration value="petrolLeaded"/>
    <xs:enumeration value="petrolUnleaded"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: EquipmentTypeEnum

Super-types: xs:string < **EquipmentTypeEnum** (by restriction)

Sub-types:
- _EquipmentTypeEnum (by extension)

Name EquipmentTypeEnum

Content
- Base XSD Type: string
- *value* comes from list: {'bikeParking'|'cashMachine'|'copyMachineOrService'|'defibrillator'|'dsrcReceiver'|'dumpingStation'|'electricChargingStation'|'elevator'|'faxMachineOrS

Documentation Types of equipment.

Schema Component Representation

```
<xs:simpleType name="EquipmentTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="bikeParking"/>
    <xs:enumeration value="cashMachine"/>
    <xs:enumeration value="copyMachineOrService"/>
    <xs:enumeration value="defibrillator"/>
    <xs:enumeration value="dsrcReceiver"/>
    <xs:enumeration value="dumpingStation"/>
    <xs:enumeration value="electricChargingStation"/>
    <xs:enumeration value="elevator"/>
    <xs:enumeration value="faxMachineOrService"/>
    <xs:enumeration value="fireExtinguisher"/>
    <xs:enumeration value="fireHose"/>
    <xs:enumeration value="fireHydrant"/>
    <xs:enumeration value="firstAidEquipment"/>
    <xs:enumeration value="iceFreeScaffold"/>
    <xs:enumeration value="informationPoint"/>
    <xs:enumeration value="informationStele"/>
    <xs:enumeration value="internetTerminal"/>
    <xs:enumeration value="internetWireless"/>
    <xs:enumeration value="luggageLocker"/>
    <xs:enumeration value="paymentMachine"/>
    <xs:enumeration value="picnicFacilities"/>
    <xs:enumeration value="playground"/>
    <xs:enumeration value="publicCardPhone"/>
    <xs:enumeration value="publicCoinPhone"/>
    <xs:enumeration value="publicPhone"/>
    <xs:enumeration value="refuseBin"/>
```

```
      <xs:enumeration value="safeDeposit"/>
      <xs:enumeration value="shelter"/>
      <xs:enumeration value="shower"/>
      <xs:enumeration value="snowAndIceRemovalEquipment"/>
      <xs:enumeration value="toilet"/>
      <xs:enumeration value="tollTerminal"/>
      <xs:enumeration value="tyreAirPressureEquipment"/>
      <xs:enumeration value="waterBasin"/>
      <xs:enumeration value="vendingMachine"/>
      <xs:enumeration value="waterSupply"/>
      <xs:enumeration value="wasteDisposal"/>
      <xs:enumeration value="waterTap"/>
      <xs:enumeration value="none"/>
      <xs:enumeration value="unknown"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: FacilityTypeEnum

Super-types:	xs:string < **FacilityTypeEnum** (by restriction)
Sub-types:	• _FacilityTypeEnum (by extension)

Name FacilityTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'airport'|'carPark'|'carRentalStation'|'electricChargingStation'|'energyInfrastructureSite'|'lorryParkingSite'|'parkingSite'|'petrolStation'|'publicTransportD

Documentation Types of infrastructure

Schema Component Representation

```
<xs:simpleType name="FacilityTypeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="airport"/>
      <xs:enumeration value="carPark"/>
      <xs:enumeration value="carRentalStation"/>
      <xs:enumeration value="electricChargingStation"/>
      <xs:enumeration value="energyInfrastructureSite"/>
      <xs:enumeration value="lorryParkingSite"/>
      <xs:enumeration value="parkingSite"/>
      <xs:enumeration value="petrolStation"/>
      <xs:enumeration value="publicTransportDepot"/>
      <xs:enumeration value="publicTransportHub"/>
      <xs:enumeration value="shoppingCentre"/>
      <xs:enumeration value="trainStation"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ImageFormatEnum

Super-types:	xs:string < **ImageFormatEnum** (by restriction)
Sub-types:	• _ImageFormatEnum (by extension)

Name ImageFormatEnum

Content

- Base XSD Type: string
- *value* comes from list: {'bmp'|'gif'|'jpeg'|'png'|'_extended'}

Documentation Identifies an image format

Schema Component Representation

```
<xs:simpleType name="ImageFormatEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="bmp"/>
      <xs:enumeration value="gif"/>
      <xs:enumeration value="jpeg"/>
      <xs:enumeration value="png"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: MeansOfPaymentEnum

Super-types:	xs:string < **MeansOfPaymentEnum** (by restriction)
Sub-types:	• _MeansOfPaymentEnum (by extension)

Name MeansOfPaymentEnum

Content

- Base XSD Type: string
- *value* comes from list: {'paymentCreditCard'|'cashBillsOnly'|'cashCoinsOnly'|'tollTag'|'mobileAccount'|'cashCoinsAndBills'|'prepay'|'paymentDebitCard'|'paymentValueCard'|'

Documentation Means of payment

Schema Component Representation

```
<xs:simpleType name="MeansOfPaymentEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="paymentCreditCard"/>
      <xs:enumeration value="cashBillsOnly"/>
      <xs:enumeration value="cashCoinsOnly"/>
      <xs:enumeration value="tollTag"/>
      <xs:enumeration value="mobileAccount"/>
      <xs:enumeration value="cashCoinsAndBills"/>
      <xs:enumeration value="prepay"/>
      <xs:enumeration value="paymentDebitCard"/>
      <xs:enumeration value="paymentValueCard"/>
      <xs:enumeration value="unknown"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: OperationStatusEnum

Super-types: xs:string < **OperationStatusEnum** (by restriction)

Sub-types:
- _OperationStatusEnum (by extension)

Name OperationStatusEnum

Content
- Base XSD Type: string
- *value* comes from list: {'inOperation'|'limitedOperation'|'notInOperation'|'notInOperationAbnormal'|'technicalDefect'|'unknown'|'_extended'}

Documentation Specifies whether some scenario or equipment is in operation or not.

Schema Component Representation

```
<xs:simpleType name="OperationStatusEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="inOperation"/>
      <xs:enumeration value="limitedOperation"/>
      <xs:enumeration value="notInOperation"/>
      <xs:enumeration value="notInOperationAbnormal"/>
      <xs:enumeration value="technicalDefect"/>
      <xs:enumeration value="unknown"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: OrganisationTypeEnum

Super-types: xs:string < **OrganisationTypeEnum** (by restriction)

Sub-types:
- _OrganisationTypeEnum (by extension)

Name OrganisationTypeEnum

Content
- Base XSD Type: string
- *value* comes from list: {'publicSector'|'privateSector'|'_extended'}

Documentation Type of organisation.

Schema Component Representation

```
<xs:simpleType name="OrganisationTypeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="publicSector"/>
      <xs:enumeration value="privateSector"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: PaymentBrandsEnum

Super-types: xs:string < **PaymentBrandsEnum** (by restriction)

Sub-types:
- _PaymentBrandsEnum (by extension)

Name PaymentBrandsEnum

Content
- Base XSD Type: string

- *value* comes from list: {'americanExpress'|'applePay'|'cirrus'|'dinersClub'|'discoverCard'|'giroCard'|'maestro'|'masterCard'|'visa'|'vpay'|'other'|'_extended'}

Documentation Brands for payment cards

Schema Component Representation

```
<xs:simpleType name="PaymentBrandsEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="americanExpress"/>
    <xs:enumeration value="applePay"/>
    <xs:enumeration value="cirrus"/>
    <xs:enumeration value="dinersClub"/>
    <xs:enumeration value="discoverCard"/>
    <xs:enumeration value="giroCard"/>
    <xs:enumeration value="maestro"/>
    <xs:enumeration value="masterCard"/>
    <xs:enumeration value="visa"/>
    <xs:enumeration value="vpay"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: PaymentTimingEnum

Super-types: xs:string < **PaymentTimingEnum** (by restriction)

Sub-types:
- _PaymentTimingEnum (by extension)

Name PaymentTimingEnum

Content
- Base XSD Type: string
- *value* comes from list: {'prepay'|'payOnEntry'|'payPriorToExit'|'payAfterExit'|'payAndExit'|'other'|'_extended'}

Documentation Details of when payment is required.

Schema Component Representation

```
<xs:simpleType name="PaymentTimingEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="prepay"/>
    <xs:enumeration value="payOnEntry"/>
    <xs:enumeration value="payPriorToExit"/>
    <xs:enumeration value="payAfterExit"/>
    <xs:enumeration value="payAndExit"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: RateAvailabilityTypeEnum

Super-types: xs:string < **RateAvailabilityTypeEnum** (by restriction)

Sub-types:
- _RateAvailabilityTypeEnum (by extension)

Name RateAvailabilityTypeEnum

Content
- Base XSD Type: string
- *value* comes from list: {'private'|'public'|'restricted'|'_extended'}

Documentation A list of rate availability types.

Schema Component Representation

```
<xs:simpleType name="RateAvailabilityTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="private"/>
    <xs:enumeration value="public"/>
    <xs:enumeration value="restricted"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: RateLineTypeEnum

Super-types: xs:string < **RateLineTypeEnum** (by restriction)

Sub-types:
- _RateLineTypeEnum (by extension)

Name RateLineTypeEnum

Content
- Base XSD Type: string
- *value* comes from list: {'flatRate'|'incrementingRate'|'flatRateTier'|'perUnit'|'_extended'}

Documentation A list of rate line types.

Schema Component Representation

```
<xs:simpleType name="RateLineTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="flatRate"/>
    <xs:enumeration value="incrementingRate"/>
    <xs:enumeration value="flatRateTier"/>
    <xs:enumeration value="perUnit"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: RateTypeEnum

Super-types: xs:string < **RateTypeEnum** (by restriction)

Sub-types:
- _RateTypeEnum (by extension)

Name RateTypeEnum

Content
- Base XSD Type: string
- *value* comes from list: {'contract'|'daily'|'event'|'hourly'|'_extended'}

Documentation A list of supported rate types.

Schema Component Representation

```
<xs:simpleType name="RateTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="contract"/>
    <xs:enumeration value="daily"/>
    <xs:enumeration value="event"/>
    <xs:enumeration value="hourly"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: RateUsageConditionsTypeEnum

Super-types: xs:string < **RateUsageConditionsTypeEnum** (by restriction)

Sub-types:
- _RateUsageConditionsTypeEnum (by extension)

Name RateUsageConditionsTypeEnum

Content
- Base XSD Type: string
- *value* comes from list: {'fixedDuration'|'fixedNumber'|'once'|'unlimited'|'_extended'}

Documentation A list of supported rate usage condition types.

Schema Component Representation

```
<xs:simpleType name="RateUsageConditionsTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="fixedDuration"/>
    <xs:enumeration value="fixedNumber"/>
    <xs:enumeration value="once"/>
    <xs:enumeration value="unlimited"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: RefundTypeEnum

Super-types: xs:string < **RefundTypeEnum** (by restriction)

Sub-types:
- _RefundTypeEnum (by extension)

Name RefundTypeEnum

Content
- Base XSD Type: string
- *value* comes from list: {'surchargeNonRefundable'|'surchargePartiallyRefundable'|'surchargeFullyRefundable'|'_extended'}

Documentation A list of available refund categories.

Schema Component Representation

```
<xs:simpleType name="RefundTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="surchargeNonRefundable"/>
    <xs:enumeration value="surchargePartiallyRefundable"/>
    <xs:enumeration value="surchargeFullyRefundable"/>
    <xs:enumeration value="_extended"/>
```

```
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ReservationTypeEnum

Super-types:	xs:string < **ReservationTypeEnum** (by restriction)
Sub-types:	• _ReservationTypeEnum (by extension)

Name ReservationTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'optional'|'mandatory'|'notAvailable'|'partly'|'unknown'|'unspecified'|'_extended'}

Documentation Different types of reservation.

Schema Component Representation

```
<xs:simpleType name="ReservationTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="optional"/>
    <xs:enumeration value="mandatory"/>
    <xs:enumeration value="notAvailable"/>
    <xs:enumeration value="partly"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="unspecified"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: RightTypeEnum

Super-types:	xs:string < **RightTypeEnum** (by restriction)
Sub-types:	• _RightTypeEnum (by extension)

Name RightTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'oneTimeUseParking'|'permitParking'|'loadingUnloading'|'setdownPickup'|'waiting'|'accessPermission'|'doingReservation'|'electricCharging'|'_extende

Documentation A list of the supported RightSpecification types available for reference.

Schema Component Representation

```
<xs:simpleType name="RightTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="oneTimeUseParking"/>
    <xs:enumeration value="permitParking"/>
    <xs:enumeration value="loadingUnloading"/>
    <xs:enumeration value="setdownPickup"/>
    <xs:enumeration value="waiting"/>
    <xs:enumeration value="accessPermission"/>
    <xs:enumeration value="doingReservation"/>
    <xs:enumeration value="electricCharging"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ServiceFacilityTypeEnum

Super-types:	xs:string < **ServiceFacilityTypeEnum** (by restriction)
Sub-types:	• _ServiceFacilityTypeEnum (by extension)

Name ServiceFacilityTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'bikeGarage'|'bikeSharing'|'cafe'|'carWash'|'docstop'|'foodShopping'|'hotel'|'kiosk'|'laundry'|'leisureActivities'|'medicalFacility'|'motel'|'motorcycleGarag

Documentation A service facility. In distinction to equipment, a service is usually manned.

Schema Component Representation

```
<xs:simpleType name="ServiceFacilityTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="bikeGarage"/>
    <xs:enumeration value="bikeSharing"/>
    <xs:enumeration value="cafe"/>
    <xs:enumeration value="carWash"/>
    <xs:enumeration value="docstop"/>
    <xs:enumeration value="foodShopping"/>
    <xs:enumeration value="hotel"/>
```

```
      <xs:enumeration value="kiosk"/>
      <xs:enumeration value="laundry"/>
      <xs:enumeration value="leisureActivities"/>
      <xs:enumeration value="medicalFacility"/>
      <xs:enumeration value="motel"/>
      <xs:enumeration value="motorcycleGarage"/>
      <xs:enumeration value="motorwayRestaurant"/>
      <xs:enumeration value="motorwayRestaurantSmall"/>
      <xs:enumeration value="overnightAccommodation"/>
      <xs:enumeration value="petrolStation"/>
      <xs:enumeration value="pharmacy"/>
      <xs:enumeration value="payDesk"/>
      <xs:enumeration value="police"/>
      <xs:enumeration value="restaurant"/>
      <xs:enumeration value="restaurantSelfService"/>
      <xs:enumeration value="shop"/>
      <xs:enumeration value="snackBar"/>
      <xs:enumeration value="sparePartsShopping"/>
      <xs:enumeration value="touristInformation"/>
      <xs:enumeration value="truckRepair"/>
      <xs:enumeration value="truckWash"/>
      <xs:enumeration value="tyreRepair"/>
      <xs:enumeration value="vehicleMaintenance"/>
      <xs:enumeration value="unknown"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
    </xs:restriction>
</xs:simpleType>
```

top

Simple Type: SquareMetres

Super-types:	com:NonNegativeInteger < **SquareMetres** (by restriction)
Sub-types:	None

Name SquareMetres

Content

- **'NonNegativeInteger' super type was not found in this schema. Its facets could not be printed out.**

Documentation A value of area expressed in units of square metres.

Schema Component Representation

```
<xs:simpleType name="SquareMetres">
  <xs:restriction base="com:NonNegativeInteger"/>
</xs:simpleType>
```

top

Simple Type: SurchargeTypeEnum

Super-types:	xs:string < **SurchargeTypeEnum** (by restriction)
Sub-types:	• _SurchargeTypeEnum (by extension)

Name SurchargeTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'reservation'|'mobilePayment'|'deposit'|'membershipFee'|'_extended'}

Documentation Types of surcharge that can be applied.

Schema Component Representation

```
<xs:simpleType name="SurchargeTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="reservation"/>
    <xs:enumeration value="mobilePayment"/>
    <xs:enumeration value="deposit"/>
    <xs:enumeration value="membershipFee"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: TimeZone

Super-types:	com:String < **TimeZone** (by restriction)
Sub-types:	None

Name TimeZone

Content

- **'String' super type was not found in this schema. Its facets could not be printed out.**
- *pattern* = [-+][0-9][0-9]:[0-9][0-9]|Z

Documentation Identifies a time zone by specifying the difference to UTC in hours and minutes, as defined in ISO 8601.

Schema Component Representation

```
<xs:simpleType name="TimeZone">
```

```
  <xs:restriction base="com:String">
    <xs:pattern value="[-+][0-9][0-9]:[0-9][0-9]|Z"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: UserTypeEnum

Super-types:	xs:string < **UserTypeEnum** (by restriction)
Sub-types:	• _UserTypeEnum (by extension)

Name UserTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'allUsers'|'commuters'|'customers'|'elderlyUsers'|'employees'|'families'|'personsWithDisabilities'|'hearingImpaired'|'hotelGuests'|'longTermParkers'|'me

Documentation Types of different users, for example used in the context of parking.

Schema Component Representation

```
<xs:simpleType name="UserTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="allUsers"/>
    <xs:enumeration value="commuters"/>
    <xs:enumeration value="customers"/>
    <xs:enumeration value="elderlyUsers"/>
    <xs:enumeration value="employees"/>
    <xs:enumeration value="families"/>
    <xs:enumeration value="personsWithDisabilities"/>
    <xs:enumeration value="hearingImpaired"/>
    <xs:enumeration value="hotelGuests"/>
    <xs:enumeration value="longTermParkers"/>
    <xs:enumeration value="members"/>
    <xs:enumeration value="men"/>
    <xs:enumeration value="overnightParkers"/>
    <xs:enumeration value="parkAndCycleUser"/>
    <xs:enumeration value="parkAndRideUsers"/>
    <xs:enumeration value="parkAndWalkUser"/>
    <xs:enumeration value="pensioners"/>
    <xs:enumeration value="pregnantWomen"/>
    <xs:enumeration value="registeredDisabledUsers"/>
    <xs:enumeration value="reservationHolders"/>
    <xs:enumeration value="residents"/>
    <xs:enumeration value="seasonTicketHolders"/>
    <xs:enumeration value="shoppers"/>
    <xs:enumeration value="shortTermParkers"/>
    <xs:enumeration value="sportEventAwaySupporters"/>
    <xs:enumeration value="sportEventHomeSupporters"/>
    <xs:enumeration value="students"/>
    <xs:enumeration value="staff"/>
    <xs:enumeration value="subscribers"/>
    <xs:enumeration value="visitors"/>
    <xs:enumeration value="visuallyImpaired"/>
    <xs:enumeration value="wheelchairUsers"/>
    <xs:enumeration value="women"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

DATEXII_3_LocationExtension

Table of Contents

top

Schema Document Properties

Target Namespace	**http://datex2.eu/schema/3/locationExtension**
Version	3.3
Element and Attribute Namespaces	• Global element and attribute declarations belong to this schema's target namespace. • By default, local element declarations belong to this schema's target namespace. • By default, local attribute declarations have no namespace.

Schema Composition	• This schema imports schema(s) from the following namespace(s):
	  ◦ *http://datex2.eu/schema/3/common* (at DATEXII_3_Common.xsd)
	  ◦ *http://datex2.eu/schema/3/facilities* (at DATEXII_3_Facilities.xsd)

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace
xs	http://www.w3.org/2001/XMLSchema
com	http://datex2.eu/schema/3/common
fac	http://datex2.eu/schema/3/facilities
locx	**http://datex2.eu/schema/3/locationExtension**

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified" version="3.3"
targetNamespace="http://datex2.eu/schema/3/locationExtension">
   <xs:import namespace="http://datex2.eu/schema/3/common" schemaLocation="DATEXII_3_Common.xsd"/>
   <xs:import namespace="http://datex2.eu/schema/3/facilities"
   schemaLocation="DATEXII_3_Facilities.xsd"/>
   ...
</xs:schema>
```

top

Global Definitions

Complex Type: Address

Super-types:	None
Sub-types:	None

Name	Address
Abstract	no
Documentation	A street oriented addressing structure supporting delivery

XML Instance Representation

```
<...>
   <locx:postcode> com:String </locx:postcode> [0..1] ?
   <locx:city> com:MultilingualString </locx:city> [0..1] ?
   <locx:countryCode> com:CountryCode </locx:countryCode> [0..1] ?
   <locx:addressLine> locx:AddressLine </locx:addressLine> [0..*]
   <locx:_addressExtension> com:_ExtensionType </locx:_addressExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Address">
  <xs:sequence>
    <xs:element name="postcode" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="city" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="countryCode" type="com:CountryCode" minOccurs="0" maxOccurs="1"/>
    <xs:element name="addressLine" type="locx:AddressLine" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_addressExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

top

Complex Type: AddressLine

Super-types:	None
Sub-types:	None

Name	AddressLine
Abstract	no
Documentation	A class defining information concerning one line of a postal address.

XML Instance Representation

```
<...
 order="com:NonNegativeInteger [1] ?">
   <locx:type> locx:_AddressLineTypeEnum </locx:type> [1] ?
   <locx:text> com:MultilingualString </locx:text> [1] ?
   <locx:_addressLineExtension> com:_ExtensionType </locx:_addressLineExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AddressLine">
  <xs:sequence>
    <xs:element name="type" type="locx:_AddressLineTypeEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="text" type="com:MultilingualString" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_addressLineExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="order" type="com:NonNegativeInteger" use="required"/>
</xs:complexType>
```

top

Complex Type: FacilityLocation

Super-types:	None
Sub-types:	None

Name	FacilityLocation
Abstract	no
Documentation	A location for which a time zone and an address can be specified

XML Instance Representation

```
<...>
   <locx:timeZone> fac:TimeZone </locx:timeZone> [0..1] ?
   <locx:address> locx:Address </locx:address> [0..1] ?
</...>
```

Schema Component Representation

```
<xs:complexType name="FacilityLocation">
  <xs:sequence>
    <xs:element name="timeZone" type="fac:TimeZone" minOccurs="0" maxOccurs="1"/>
    <xs:element name="address" type="locx:Address" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

top

Complex Type: NamedAreaExtended

Super-types:	None
Sub-types:	None

Name	NamedAreaExtended
Abstract	no

Documentation A named area with an additional code (that is not an ISO subdivision code)

XML Instance Representation

```
<...>
   <locx:namedAreaCode> locx:NamedAreaCode </locx:namedAreaCode> [1] ?
</...>
```

Schema Component Representation

```
<xs:complexType name="NamedAreaExtended">
   <xs:sequence>
      <xs:element name="namedAreaCode" type="locx:NamedAreaCode" minOccurs="1" maxOccurs="1"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: SupplementaryPositionalDescriptionExtended

Super-types:	None
Sub-types:	None

Name SupplementaryPositionalDescriptionExtended

Abstract no

Documentation Extension of class SupplementaryPositionalDescription.

XML Instance Representation

```
<...>
   <locx:houseNumberSide> locx:_HouseNumberSideEnum </locx:houseNumberSide> [0..1] ?
</...>
```

Schema Component Representation

```
<xs:complexType name="SupplementaryPositionalDescriptionExtended">
   <xs:sequence>
      <xs:element name="houseNumberSide" type="locx:_HouseNumberSideEnum" minOccurs="0" maxOccurs="1"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: _AddressLineTypeEnum

Super-types:	xs:string < AddressLineTypeEnum (by restriction) < **_AddressLineTypeEnum** (by extension)
Sub-types:	None

Name _AddressLineTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   locx:AddressLineTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_AddressLineTypeEnum">
   <xs:simpleContent>
      <xs:extension base="locx:AddressLineTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _HouseNumberSideEnum

Super-types:	xs:string < HouseNumberSideEnum (by restriction) < **_HouseNumberSideEnum** (by extension)
Sub-types:	None

Name _HouseNumberSideEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   locx:HouseNumberSideEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_HouseNumberSideEnum">
   <xs:simpleContent>
      <xs:extension base="locx:HouseNumberSideEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Simple Type: AddressLineTypeEnum

Super-types: xs:string < **AddressLineTypeEnum** (by restriction)

Sub-types:
- _AddressLineTypeEnum (by extension)

Name AddressLineTypeEnum

Content
- Base XSD Type: string
- *value* comes from list: {'apartment'|'building'|'poBox'|'unit'|'region'|'town'|'districtTerritory'|'floor'|'street'|'houseNumber'|'generalTextLine'|'_extended'}

Documentation A list of supported address line types.

Schema Component Representation

```
<xs:simpleType name="AddressLineTypeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="apartment"/>
      <xs:enumeration value="building"/>
      <xs:enumeration value="poBox"/>
      <xs:enumeration value="unit"/>
      <xs:enumeration value="region"/>
      <xs:enumeration value="town"/>
      <xs:enumeration value="districtTerritory"/>
      <xs:enumeration value="floor"/>
      <xs:enumeration value="street"/>
      <xs:enumeration value="houseNumber"/>
      <xs:enumeration value="generalTextLine"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: HouseNumberSideEnum

Super-types: xs:string < **HouseNumberSideEnum** (by restriction)

Sub-types:
- _HouseNumberSideEnum (by extension)

Name HouseNumberSideEnum

Content
- Base XSD Type: string
- *value* comes from list: {'odd'|'even'|'_extended'}

Documentation Specifies the side of the house number (even, odd).

Schema Component Representation

```
<xs:simpleType name="HouseNumberSideEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="odd"/>
      <xs:enumeration value="even"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: NamedAreaCode

Super-types: com:String < **NamedAreaCode** (by restriction)

Sub-types: None

Name NamedAreaCode

Content

- **'String' super type was not found in this schema. Its facets could not be printed out.**
- *length* <= 8

Documentation Type for a short numeric or alphanumeric code identifying an area.

Schema Component Representation

```
<xs:simpleType name="NamedAreaCode">
  <xs:restriction base="com:String">
    <xs:maxLength value="8"/>
  </xs:restriction>
</xs:simpleType>
```

top

DATEXII_3_Parking

Table of Contents

- Complex Type: **_StaffEnum**
- Complex Type: **_StructureGradeEnum**
- Complex Type: **_StructureTypeEnum**
- Complex Type: **_SupplyViewTypeEnum**
- Complex Type: **_TruckParkingDynamicManagementEnum**
- Complex Type: **_VmsControllerVersionedReference**
- Simple Type: **ActivityEnum**
- Simple Type: **CalculationTypeEnum**
- Simple Type: **CampusStatusEnum**
- Simple Type: **CoveredEnum**
- Simple Type: **EsporgStandardLevelEnum**
- Simple Type: **HierarchyElementTypeEnum**
- Simple Type: **LayoutEnum**
- Simple Type: **OperatingRestrictionsEnum**
- Simple Type: **ParkingConditionsEnum**
- Simple Type: **ParkingFaultEnum**
- Simple Type: **ParkingModeEnum**
- Simple Type: **ParkingOccupancyEnum**
- Simple Type: **ParkingOccupancyTrendEnum**
- Simple Type: **ParkingPlaceStatusEnum**
- Simple Type: **ParkingRouteOrientationEnum**
- Simple Type: **ParkingRouteTypeEnum**
- Simple Type: **ParkingSafetyEnum**
- Simple Type: **ParkingSecurityEnum**
- Simple Type: **ParkingSpaceConvenienceEnum**
- Simple Type: **ParkingSpaceOccupancyDetectionEnum**
- Simple Type: **ParkingStructuralCharacteristicsEnum**
- Simple Type: **ParkingSupervisionEnum**
- Simple Type: **ParkingUsageScenarioEnum**
- Simple Type: **ParkingVacantSpacesEnum**
- Simple Type: **PublicTransportTypeEnum**
- Simple Type: **PublicTransportVehicleType**
- Simple Type: **RegulationEnum**
- Simple Type: **RoadTypeEnum**
- Simple Type: **SessionActivationModeEnum**
- Simple Type: **SpecialLocationEnum**
- Simple Type: **StaffEnum**
- Simple Type: **StructureGradeEnum**
- Simple Type: **StructureTypeEnum**
- Simple Type: **SupplyViewTypeEnum**
- Simple Type: **TruckParkingDynamicManagementEnum**

top

Schema Document Properties

Target Namespace	**http://datex2.eu/schema/3/parking**
Version	1
Element and Attribute Namespaces	• Global element and attribute declarations belong to this schema's target namespace. • By default, local element declarations belong to this schema's target namespace. • By default, local attribute declarations have no namespace.

Schema Composition	• This schema imports schema(s) from the following namespace(s):
	  ◦ *http://datex2.eu/schema/3/locationReferencing* (at DATEXII_3_LocationReferencing.xsd)
	  ◦ *http://datex2.eu/schema/3/facilities* (at DATEXII_3_Facilities.xsd)
	  ◦ *http://datex2.eu/schema/3/common* (at DATEXII_3_Common.xsd)
	  ◦ *http://datex2.eu/schema/3/roadTrafficData* (at DATEXII_3_RoadTrafficData.xsd)

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace
xs	http://www.w3.org/2001/XMLSchema
loc	http://datex2.eu/schema/3/locationReferencing
fac	http://datex2.eu/schema/3/facilities
com	http://datex2.eu/schema/3/common
roa	http://datex2.eu/schema/3/roadTrafficData
prk	**http://datex2.eu/schema/3/parking**

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified" version="1"
targetNamespace="http://datex2.eu/schema/3/parking">
   <xs:import namespace="http://datex2.eu/schema/3/locationReferencing"
   schemaLocation="DATEXII_3_LocationReferencing.xsd"/>
   <xs:import namespace="http://datex2.eu/schema/3/facilities" schemaLocation="DATEXII_3_Facilities.xsd"/>
   <xs:import namespace="http://datex2.eu/schema/3/common" schemaLocation="DATEXII_3_Common.xsd"/>
   <xs:import namespace="http://datex2.eu/schema/3/roadTrafficData" schemaLocation="DATEXII_3_RoadTrafficData.xsd"/>
   ...
</xs:schema>
```

top

Global Definitions

Complex Type: AccessStatus

Super-types:	fac:FacilityStatus < ParkingStatusInformation (by extension) < **AccessStatus** (by extension)
Sub-types:	None

Name	AccessStatus
Abstract	no

Documentation The opening and fault status of one access.

XML Instance Representation

```
<...>
   <!-- 'fac:FacilityStatus' super type was not found in this schema. Some elements and attributes may be missing. --
   >
   <prk:queueingTime> com:Seconds </prk:queueingTime> [0..1] ?
   <prk:parkingConditions> prk:_ParkingConditionsEnum </prk:parkingConditions> [0..1] ?
   <prk:blurredAvailability> com:Boolean </prk:blurredAvailability> [0..1] ?
   <prk:parkingFault> prk:_ParkingFaultEnum </prk:parkingFault> [0..*] ?
   <prk:winterEquipmentManagementType> com:_WinterEquipmentManagementTypeEnum </prk:winterEquipmentManagementType>
   [0..*] ?
   <prk:parkingRouteStatus> prk:ParkingRouteStatus </prk:parkingRouteStatus> [0..*]
   <prk:occupancy> prk:Occupancy </prk:occupancy> [0..1]
   <prk:statusValidity> prk:StatusValidity </prk:statusValidity> [0..1]
   <prk:operatingPatternStatus> prk:OperatingPatternStatus </prk:operatingPatternStatus> [0..*]
   <prk:supply> prk:Supply </prk:supply> [0..1]
   <prk:demandTable> prk:DemandTable </prk:demandTable> [0..1]
   <prk:_parkingStatusInformationExtension> com:_ExtensionType </prk:_parkingStatusInformationExtension> [0..1]
   <prk:entranceFull> com:Boolean </prk:entranceFull> [0..1] ?
   <prk:_accessStatusExtension> com:_ExtensionType </prk:_accessStatusExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AccessStatus">
   <xs:complexContent>
      <xs:extension base="prk:ParkingStatusInformation">
         <xs:sequence>
            <xs:element name="entranceFull" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
            <xs:element name="_accessStatusExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: AdditionalCharacteristics

Super-types:	None
Sub-types:	None

Name	AdditionalCharacteristics
Abstract	no
Documentation	Common additional characteristics for campus, (sub)places and spaces.

XML Instance Representation

```
<...>
   <prk:floor> com:String </prk:floor> [0..1] ?
   <prk:weightLimit> com:Tonnes </prk:weightLimit> [0..1] ?
   <prk:additionalConvenience> prk:_ParkingSpaceConvenienceEnum </prk:additionalConvenience> [0..*] ?
   <prk:structuralCharacteristics> prk:_ParkingStructuralCharacteristicsEnum </prk:structuralCharacteristics> [0..*]
   ?
   <prk:parkingMode> prk:_ParkingModeEnum </prk:parkingMode> [0..1] ?
   <prk:occupancyDetection> prk:_ParkingSpaceOccupancyDetectionEnum </prk:occupancyDetection> [0..1] ?
   <prk:temporarilyParking> com:Boolean </prk:temporarilyParking> [0..1] ?
   <prk:distanceFromPrimaryRoad> com:MetresAsNonNegativeInteger </prk:distanceFromPrimaryRoad> [0..1] ?
   <prk:assignment> prk:Assignment </prk:assignment> [0..*]
   <prk:dedicatedAccess> prk:DedicatedAccess </prk:dedicatedAccess> [0..*]
   <prk:totalDimension> fac:Dimension </prk:totalDimension> [0..1] ?
   <prk:minimumParkingSpaceDimension> fac:Dimension </prk:minimumParkingSpaceDimension> [0..1] ?
   <prk:maximumParkingSpaceDimension> fac:Dimension </prk:maximumParkingSpaceDimension> [0..1] ?
   <prk:_additionalCharacteristicsExtension> com:_ExtensionType </prk:_additionalCharacteristicsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AdditionalCharacteristics">
   <xs:sequence>
      <xs:element name="floor" type="com:String" minOccurs="0" maxOccurs="1"/>
      <xs:element name="weightLimit" type="com:Tonnes" minOccurs="0" maxOccurs="1"/>
      <xs:element name="additionalConvenience" type="prk:_ParkingSpaceConvenienceEnum" minOccurs="0"
      maxOccurs="unbounded"/>
      <xs:element name="structuralCharacteristics" type="prk:_ParkingStructuralCharacteristicsEnum" minOccurs="0"
      maxOccurs="unbounded"/>
      <xs:element name="parkingMode" type="prk:_ParkingModeEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="occupancyDetection" type="prk:_ParkingSpaceOccupancyDetectionEnum" minOccurs="0"
      maxOccurs="1"/>
      <xs:element name="temporarilyParking" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="distanceFromPrimaryRoad" type="com:MetresAsNonNegativeInteger" minOccurs="0" maxOccurs="1"/>
      <xs:element name="assignment" type="prk:Assignment" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="dedicatedAccess" type="prk:DedicatedAccess" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="totalDimension" type="fac:Dimension" minOccurs="0"/>
      <xs:element name="minimumParkingSpaceDimension" type="fac:Dimension" minOccurs="0"/>
      <xs:element name="maximumParkingSpaceDimension" type="fac:Dimension" minOccurs="0"/>
      <xs:element name="_additionalCharacteristicsExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: Assignment

Super-types:	None

Sub-types:	None

Name Assignment

Abstract no

Documentation An assignment for parking, optionally limited to a validity in time.

XML Instance Representation

```
<...>
   <prk:maximumParkingDuration> com:Seconds </prk:maximumParkingDuration> [0..1] ?
   <prk:minimumParkingDuration> com:Seconds </prk:minimumParkingDuration> [0..1] ?
   <prk:parkingAllowed> com:Boolean </prk:parkingAllowed> [0..1] ?
   <prk:reservation> fac:_ReservationTypeEnum </prk:reservation> [0..1] ?
   <prk:assignmentValidity> com:OverallPeriod </prk:assignmentValidity> [0..1]
   <prk:exclusivelyAssignedFor> fac:Eligibility </prk:exclusivelyAssignedFor> [0..1] ?
   <prk:prohibitedFor> fac:Eligibility </prk:prohibitedFor> [0..1] ?
   <prk:applicableFor> fac:Eligibility </prk:applicableFor> [0..1] ?
   <prk:_assignmentExtension> com:_ExtensionType </prk:_assignmentExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Assignment">
   <xs:sequence>
      <xs:element name="maximumParkingDuration" type="com:Seconds" minOccurs="0" maxOccurs="1"/>
      <xs:element name="minimumParkingDuration" type="com:Seconds" minOccurs="0" maxOccurs="1"/>
      <xs:element name="parkingAllowed" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="reservation" type="fac:_ReservationTypeEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="assignmentValidity" type="com:OverallPeriod" minOccurs="0"/>
      <xs:element name="exclusivelyAssignedFor" type="fac:Eligibility" minOccurs="0"/>
      <xs:element name="prohibitedFor" type="fac:Eligibility" minOccurs="0"/>
      <xs:element name="applicableFor" type="fac:Eligibility" minOccurs="0"/>
      <xs:element name="_assignmentExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: AvailableSpacesThresholds

Super-types:	Thresholds < **AvailableSpacesThresholds** (by extension)
Sub-types:	None

Name AvailableSpacesThresholds

Abstract no

Documentation The threshold is defined by the number of available spaces on the parking.

XML Instance Representation

```
<...>
   <prk:lowerThreshold> com:NonNegativeInteger </prk:lowerThreshold> [0..1] ?
   <prk:upperThreshold> com:NonNegativeInteger </prk:upperThreshold> [0..1] ?
   <prk:lowerThresholdInPercent> com:Percentage </prk:lowerThresholdInPercent> [0..1] ?
   <prk:upperThresholdInPercent> com:Percentage </prk:upperThresholdInPercent> [0..1] ?
   <prk:boundaryValuesExcluded> com:Boolean </prk:boundaryValuesExcluded> [0..1] ?
   <prk:_thresholdsExtension> com:_ExtensionType </prk:_thresholdsExtension> [0..1]
   <prk:_availableSpacesThresholdsExtension> com:_ExtensionType </prk:_availableSpacesThresholdsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AvailableSpacesThresholds">
   <xs:complexContent>
      <xs:extension base="prk:Thresholds">
         <xs:sequence>
            <xs:element name="_availableSpacesThresholdsExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: CampusStatus

Super-types:	fac:FacilityStatus < ParkingStatusInformation (by extension) < **CampusStatus** (by extension)
Sub-types:	None

Name CampusStatus

Abstract no

Documentation Dynamic status information for the static object 'Campus'.

XML Instance Representation

```
<...>
   <!-- 'fac:FacilityStatus' super type was not found in this schema. Some elements and attributes may be missing. --
   >
   <prk:queueingTime> com:Seconds </prk:queueingTime> [0..1] ?
   <prk:parkingConditions> prk:_ParkingConditionsEnum </prk:parkingConditions> [0..1] ?
   <prk:blurredAvailability> com:Boolean </prk:blurredAvailability> [0..1] ?
   <prk:parkingFault> prk:_ParkingFaultEnum </prk:parkingFault> [0..*] ?
```

```
   <prk:winterEquipmentManagementType> com:_WinterEquipmentManagementTypeEnum </prk:winterEquipmentManagementType>
   [0..*] ?
   <prk:parkingRouteStatus> prk:ParkingRouteStatus </prk:parkingRouteStatus> [0..*]
   <prk:occupancy> prk:Occupancy </prk:occupancy> [0..1]
   <prk:statusValidity> prk:StatusValidity </prk:statusValidity> [0..1]
   <prk:operatingPatternStatus> prk:OperatingPatternStatus </prk:operatingPatternStatus> [0..*]
   <prk:supply> prk:Supply </prk:supply> [0..1]
   <prk:demandTable> prk:DemandTable </prk:demandTable> [0..1]
   <prk:_parkingStatusInformationExtension> com:_ExtensionType </prk:_parkingStatusInformationExtension> [0..1]
   <prk:status> prk:_CampusStatusEnum </prk:status> [0..1] ?
   <prk:_campusStatusExtension> com:_ExtensionType </prk:_campusStatusExtension> [0..1]
</.../>
```

Schema Component Representation

```
<xs:complexType name="CampusStatus">
   <xs:complexContent>
      <xs:extension base="prk:ParkingStatusInformation">
         <xs:sequence>
            <xs:element name="status" type="prk:_CampusStatusEnum" minOccurs="0" maxOccurs="1"/>
            <xs:element name="_campusStatusExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: CertifiedSecureParking

Super-types:	None
Sub-types:	None

Name	CertifiedSecureParking
Abstract	no
Documentation	Certification for secure parking.

XML Instance Representation

```
<.../>
   <prk:typeOfCertification> com:MultilingualString </prk:typeOfCertification> [1] ?
   <prk:dateOfCertification> com:Date </prk:dateOfCertification> [1] ?
   <prk:_certifiedSecureParkingExtension> com:_ExtensionType </prk:_certifiedSecureParkingExtension> [0..1]
</.../>
```

Schema Component Representation

```
<xs:complexType name="CertifiedSecureParking">
   <xs:sequence>
      <xs:element name="typeOfCertification" type="com:MultilingualString" minOccurs="1" maxOccurs="1"/>
      <xs:element name="dateOfCertification" type="com:Date" minOccurs="1" maxOccurs="1"/>
      <xs:element name="_certifiedSecureParkingExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: Characteristics

Super-types:	None
Sub-types:	None

Name	Characteristics
Abstract	no
Documentation	A class defining information concerning characteristics relating to a parking facility.

XML Instance Representation

```
<.../>
   <prk:activationMode> prk:_SessionActivationModeEnum </prk:activationMode> [0..*] ?
   <prk:structureGrade> prk:_StructureGradeEnum </prk:structureGrade> [0..1] ?
   <prk:robotic> com:Boolean </prk:robotic> [0..1] ?
   <prk:accessControlled> com:Boolean </prk:accessControlled> [0..1] ?
   <prk:staffed> prk:_StaffEnum </prk:staffed> [0..1] ?
   <prk:structureType> prk:_StructureTypeEnum </prk:structureType> [1] ?
   <prk:coveredType> prk:_CoveredEnum </prk:coveredType> [0..1] ?
   <prk:openToPublic> com:Boolean </prk:openToPublic> [0..1] ?
   <prk:spacesNonDedicated> com:NonNegativeInteger </prk:spacesNonDedicated> [0..1] ?
   <prk:spacesTotal> com:NonNegativeInteger </prk:spacesTotal> [0..1] ?
   <prk:accessForPersonsWithDisabilities> com:Boolean </prk:accessForPersonsWithDisabilities> [0..*] ?
   <prk:_characteristicsExtension> com:_ExtensionType </prk:_characteristicsExtension> [0..1]
</.../>
```

Schema Component Representation

```
<xs:complexType name="Characteristics">
   <xs:sequence>
      <xs:element name="activationMode" type="prk:_SessionActivationModeEnum" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="structureGrade" type="prk:_StructureGradeEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="robotic" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="accessControlled" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="staffed" type="prk:_StaffEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="structureType" type="prk:_StructureTypeEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="coveredType" type="prk:_CoveredEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="openToPublic" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
```

```
    <xs:element name="spacesNonDedicated" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
    <xs:element name="spacesTotal" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
    <xs:element name="accessForPersonsWithDisabilities" type="com:Boolean" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_characteristicsExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

top

Complex Type: CommonComponents

Super-types:	None
Sub-types:	None

Name CommonComponents

Abstract no

Documentation A class defining information concerning multiple features relating to place hierarchy elements.

XML Instance Representation

```
<...>
   <prk:rgbColour> prk:RgbColour </prk:rgbColour> [0..*]
   <prk:characteristics> prk:Characteristics </prk:characteristics> [0..*]
   <prk:parkingRoute> prk:ParkingRoute </prk:parkingRoute> [0..*]
   <prk:marketing> prk:Marketing </prk:marketing> [0..1]
   <prk:safetyStandardClassification> prk:SafetyStandardClassification </prk:safetyStandardClassification> [0..*]
   <prk:parkingVms> prk:ParkingVms </prk:parkingVms> [0..*]
   <prk:permitsAndProhibitions> prk:PermitsAndProhibitions </prk:permitsAndProhibitions> [0..*]
   <prk:additionalCharacteristics> prk:AdditionalCharacteristics </prk:additionalCharacteristics> [0..1]
   <prk:operatingPattern> prk:OperatingPattern </prk:operatingPattern> [0..*]
   <prk:thresholdConfiguration> prk:ThresholdConfiguration </prk:thresholdConfiguration> [0..1]
   <prk:_commonComponentsExtension> com:_ExtensionType </prk:_commonComponentsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="CommonComponents">
  <xs:sequence>
    <xs:element name="rgbColour" type="prk:RgbColour" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="characteristics" type="prk:Characteristics" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="parkingRoute" type="prk:ParkingRoute" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="marketing" type="prk:Marketing" minOccurs="0"/>
    <xs:element name="safetyStandardClassification" type="prk:SafetyStandardClassification" minOccurs="0"
    maxOccurs="unbounded"/>
    <xs:element name="parkingVms" type="prk:ParkingVms" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="permitsAndProhibitions" type="prk:PermitsAndProhibitions" minOccurs="0"
    maxOccurs="unbounded"/>
    <xs:element name="additionalCharacteristics" type="prk:AdditionalCharacteristics" minOccurs="0"/>
    <xs:element name="operatingPattern" type="prk:OperatingPattern" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="thresholdConfiguration" type="prk:ThresholdConfiguration" minOccurs="0"/>
    <xs:element name="_commonComponentsExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

top

Complex Type: DedicatedAccess

Super-types:	None
Sub-types:	None

Name DedicatedAccess

Abstract no

Documentation Reference to an access of any type (vehicles, pedestrian, ...).

XML Instance Representation

```
<...>
   <prk:dedicatedAccess> prk:_FacilityObjectVersionedReference </prk:dedicatedAccess> [1] ?
   <prk:distanceFromParkingSpace> com:MetresAsNonNegativeInteger </prk:distanceFromParkingSpace> [0..1] ?
   <prk:_dedicatedAccessExtension> com:_ExtensionType </prk:_dedicatedAccessExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DedicatedAccess">
  <xs:sequence>
    <xs:element name="dedicatedAccess" type="prk:_FacilityObjectVersionedReference" minOccurs="1" maxOccurs="1"/>
    <xs:element name="distanceFromParkingSpace" type="com:MetresAsNonNegativeInteger" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_dedicatedAccessExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

top

Complex Type: DemandSpaceType

Super-types:	None
Sub-types:	None

Name DemandSpaceType

Abstract no

Documentation	Defines when a specific space within a place is occupied, for how long, and the total amount for this space for this time. Includes when occupancy was determined. This class includes actual and estimated start and end times of occupancy.

XML Instance Representation

```
<...>
   <prk:spaceId> prk:_FacilityObjectReference </prk:spaceId> [0..*] ?
   <prk:actualStart> com:DateTime </prk:actualStart> [0..1] ?
   <prk:actualEnd> com:DateTime </prk:actualEnd> [0..1] ?
   <prk:detectionUpdateTime> com:DateTime </prk:detectionUpdateTime> [1] ?
   <prk:estimatedStart> com:DateTime </prk:estimatedStart> [0..1] ?
   <prk:estimatedEnd> com:DateTime </prk:estimatedEnd> [0..1] ?
   <prk:occupancyLevel> prk:OccupancyLevel </prk:occupancyLevel> [0..1]
   <prk:_demandSpaceTypeExtension> com:_ExtensionType </prk:_demandSpaceTypeExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DemandSpaceType">
   <xs:sequence>
      <xs:element name="spaceId" type="prk:_FacilityObjectReference" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="actualStart" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
      <xs:element name="actualEnd" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
      <xs:element name="detectionUpdateTime" type="com:DateTime" minOccurs="1" maxOccurs="1"/>
      <xs:element name="estimatedStart" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
      <xs:element name="estimatedEnd" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
      <xs:element name="occupancyLevel" type="prk:OccupancyLevel" minOccurs="0"/>
      <xs:element name="_demandSpaceTypeExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: DemandTable

Super-types:	None
Sub-types:	None

Name	DemandTable
Abstract	no
Documentation	Table structure which defines the parameters of reporting actual usage of parking in a Hierarchy Element

XML Instance Representation

```
<...>
   <prk:frequency> fac:Duration </prk:frequency> [0..1] ?
   <prk:timestamp> com:DateTime </prk:timestamp> [1] ?
   <prk:demandType> prk:DemandType </prk:demandType> [0..*]
   <prk:demandSpaceType> prk:DemandSpaceType </prk:demandSpaceType> [0..*]
   <prk:_demandTableExtension> com:_ExtensionType </prk:_demandTableExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DemandTable">
   <xs:sequence>
      <xs:element name="frequency" type="fac:Duration" minOccurs="0" maxOccurs="1"/>
      <xs:element name="timestamp" type="com:DateTime" minOccurs="1" maxOccurs="1"/>
      <xs:element name="demandType" type="prk:DemandType" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="demandSpaceType" type="prk:DemandSpaceType" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="_demandTableExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: DemandType

Super-types:	None
Sub-types:	None

Name	DemandType
Abstract	no
Documentation	Defines occupancy at a hierarchy element without specific space details. This is an aggregate count of demand activity within the Place hierarchy.

XML Instance Representation

```
<...>
   <prk:creationTime> com:DateTime </prk:creationTime> [1] ?
   <prk:occupancyCalculation> prk:_CalculationTypeEnum </prk:occupancyCalculation> [1..*] ?
   <prk:count> com:NonNegativeInteger </prk:count> [0..1] ?
   <prk:percentage> com:Percentage </prk:percentage> [0..1] ?
   <prk:_demandTypeExtension> com:_ExtensionType </prk:_demandTypeExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DemandType">
   <xs:sequence>
      <xs:element name="creationTime" type="com:DateTime" minOccurs="1" maxOccurs="1"/>
      <xs:element name="occupancyCalculation" type="prk:_CalculationTypeEnum" minOccurs="1" maxOccurs="unbounded"/>
      <xs:element name="count" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
```

```
    <xs:element name="percentage" type="com:Percentage" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_demandTypeExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

top

Complex Type: HierarchyElementGeneral

Super-types: fac:Facility < **HierarchyElementGeneral** (by extension)

Sub-types:

- IdentifiedArea (by extension)
  - SupplementalFacility (by extension)
- Place (by extension)

Name	HierarchyElementGeneral
Abstract	yes
Documentation	A generalised component of a place hierarchy, that forms one element in the tree-like hierarchy.

XML Instance Representation

```
<...>
  <!-- 'fac:Facility' super type was not found in this schema. Some elements and attributes may be missing. -->
  <prk:layer> com:NonNegativeInteger </prk:layer> [1] ?
  <prk:type> prk:_HierarchyElementTypeEnum </prk:type> [1] ?
  <prk:parentId> prk:_FacilityObjectVersionedReference </prk:parentId> [0..1] ?
  <prk:childId> prk:_FacilityObjectVersionedReference </prk:childId> [0..*] ?
  <prk:operatorDefinedReference> prk:_OperatorDefinedPlaceVersionedReference </prk:operatorDefinedReference> [0..1]
  ?
  <prk:occupancyLevel> prk:OccupancyLevel </prk:occupancyLevel> [0..1]
  <prk:operatorDefinedPlace> prk:OperatorDefinedPlace </prk:operatorDefinedPlace> [0..*]
  <prk:_hierarchyElementGeneralExtension> com:_ExtensionType </prk:_hierarchyElementGeneralExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="HierarchyElementGeneral" abstract="true">
  <xs:complexContent>
    <xs:extension base="fac:Facility">
      <xs:sequence>
        <xs:element name="layer" type="com:NonNegativeInteger" minOccurs="1" maxOccurs="1"/>
        <xs:element name="type" type="prk:_HierarchyElementTypeEnum" minOccurs="1" maxOccurs="1"/>
        <xs:element name="parentId" type="prk:_FacilityObjectVersionedReference" minOccurs="0" maxOccurs="1"/>
        <xs:element name="childId" type="prk:_FacilityObjectVersionedReference" minOccurs="0"
        maxOccurs="unbounded"/>
        <xs:element name="operatorDefinedReference" type="prk:_OperatorDefinedPlaceVersionedReference"
        minOccurs="0" maxOccurs="1"/>
        <xs:element name="occupancyLevel" type="prk:OccupancyLevel" minOccurs="0"/>
        <xs:element name="operatorDefinedPlace" type="prk:OperatorDefinedPlace" minOccurs="0"
        maxOccurs="unbounded"/>
        <xs:element name="_hierarchyElementGeneralExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: IdentifiedArea

Super-types: fac:Facility < HierarchyElementGeneral (by extension) < **IdentifiedArea** (by extension)

Sub-types:

- SupplementalFacility (by extension)

Name	IdentifiedArea
Abstract	yes
Documentation	An identifiable discrete bounded geographic zone that shares common characteristics and is used for parking and mobility related operations or other purposes.

XML Instance Representation

```
<...>
  <!-- 'fac:Facility' super type was not found in this schema. Some elements and attributes may be missing. -->
  <prk:layer> com:NonNegativeInteger </prk:layer> [1] ?
  <prk:type> prk:_HierarchyElementTypeEnum </prk:type> [1] ?
  <prk:parentId> prk:_FacilityObjectVersionedReference </prk:parentId> [0..1] ?
  <prk:childId> prk:_FacilityObjectVersionedReference </prk:childId> [0..*] ?
  <prk:operatorDefinedReference> prk:_OperatorDefinedPlaceVersionedReference </prk:operatorDefinedReference> [0..1]
  ?
  <prk:occupancyLevel> prk:OccupancyLevel </prk:occupancyLevel> [0..1]
  <prk:operatorDefinedPlace> prk:OperatorDefinedPlace </prk:operatorDefinedPlace> [0..*]
  <prk:_hierarchyElementGeneralExtension> com:_ExtensionType </prk:_hierarchyElementGeneralExtension> [0..1]
  <prk:_identifiedAreaExtension> com:_ExtensionType </prk:_identifiedAreaExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="IdentifiedArea" abstract="true">
  <xs:complexContent>
    <xs:extension base="prk:HierarchyElementGeneral">
      <xs:sequence>
        <xs:element name="_identifiedAreaExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
```

```
</xs:complexType>
```

top

Complex Type: ImageAlbum

Super-types:	None
Sub-types:	None

Name	ImageAlbum
Abstract	no
Documentation	A class defining information relating to images for a parking facility.

XML Instance Representation

```
<...>
   <prk:logoImage> com:Url </prk:logoImage> [0..*] ?
   <prk:photo> com:Url </prk:photo> [0..1] ?
   <prk:caption> com:MultilingualString </prk:caption> [0..*] ?
   <prk:_imageAlbumExtension> com:_ExtensionType </prk:_imageAlbumExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ImageAlbum">
   <xs:sequence>
      <xs:element name="logoImage" type="com:Url" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="photo" type="com:Url" minOccurs="0" maxOccurs="1"/>
      <xs:element name="caption" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="_imageAlbumExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: Marketing

Super-types:	None
Sub-types:	None

Name	Marketing
Abstract	no
Documentation	Universal resource locator (URI) that points towards a web site carrying marketing material supplied.

XML Instance Representation

```
<...>
   <prk:webUrl> com:Url </prk:webUrl> [0..*] ?
   <prk:imageAlbum> prk:ImageAlbum </prk:imageAlbum> [0..*]
   <prk:_marketingExtension> com:_ExtensionType </prk:_marketingExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Marketing">
   <xs:sequence>
      <xs:element name="webUrl" type="com:Url" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="imageAlbum" type="prk:ImageAlbum" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="_marketingExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: Occupancy

Super-types:	None
Sub-types:	None

Name	Occupancy
Abstract	no
Documentation	Information on the used and remaining parking capacity.

XML Instance Representation

```
<...>
   <prk:numberOfSpacesOverride> com:NonNegativeInteger </prk:numberOfSpacesOverride> [0..1] ?
   <prk:numberOfVacantSpaces> com:NonNegativeInteger </prk:numberOfVacantSpaces> [0..1] ?
   <prk:numberOfVacantSpacesLowerThan> com:NonNegativeInteger </prk:numberOfVacantSpacesLowerThan> [0..1] ?
   <prk:numberOfVacantSpacesHigherThan> com:NonNegativeInteger </prk:numberOfVacantSpacesHigherThan> [0..1] ?
   <prk:numberOfVacantSpacesGraded> prk:_ParkingVacantSpacesEnum </prk:numberOfVacantSpacesGraded> [0..1] ?
   <prk:numberOfOccupiedSpaces> com:NonNegativeInteger </prk:numberOfOccupiedSpaces> [0..1] ?
   <prk:numberOfVehicles> com:NonNegativeInteger </prk:numberOfVehicles> [0..1] ?
   <prk:occupancy> com:Percentage </prk:occupancy> [0..1] ?
   <prk:occupancyGraded> prk:_ParkingOccupancyEnum </prk:occupancyGraded> [0..1] ?
   <prk:occupancyTrend> prk:_ParkingOccupancyTrendEnum </prk:occupancyTrend> [0..1] ?
   <prk:parkingNotAllowed> com:Boolean </prk:parkingNotAllowed> [0..1] ?
   <prk:probability> com:PercentageValue </prk:probability> [0..1] ?
   <prk:vehicleCountAndRate> prk:VehicleCountAndRate </prk:vehicleCountAndRate> [0..*]
   <prk:overrideThresholdConfiguration> prk:ThresholdConfiguration </prk:overrideThresholdConfiguration> [0..1] ?
```

```
   <prk:_occupancyExtension> com:_ExtensionType </prk:_occupancyExtension> [0..1]
</.../>
```

Schema Component Representation

```
<xs:complexType name="Occupancy">
   <xs:sequence>
      <xs:element name="numberOfSpacesOverride" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
      <xs:element name="numberOfVacantSpaces" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
      <xs:element name="numberOfVacantSpacesLowerThan" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
      <xs:element name="numberOfVacantSpacesHigherThan" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
      <xs:element name="numberOfVacantSpacesGraded" type="prk:_ParkingVacantSpacesEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="numberOfOccupiedSpaces" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
      <xs:element name="numberOfVehicles" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
      <xs:element name="occupancy" type="com:Percentage" minOccurs="0" maxOccurs="1"/>
      <xs:element name="occupancyGraded" type="prk:_ParkingOccupancyEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="occupancyTrend" type="prk:_ParkingOccupancyTrendEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="parkingNotAllowed" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="probability" type="com:PercentageValue" minOccurs="0"/>
      <xs:element name="vehicleCountAndRate" type="prk:VehicleCountAndRate" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="overrideThresholdConfiguration" type="prk:ThresholdConfiguration" minOccurs="0"/>
      <xs:element name="_occupancyExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: OccupancyChangeValue

Super-types:	com:DataValue < **OccupancyChangeValue** (by extension)
Sub-types:	None

Name	OccupancyChangeValue
Abstract	no
Documentation	A measured or calculated value of change of occupied parking spaces expressed as integer.

XML Instance Representation

```
<.../>
   <!-- 'com:DataValue' super type was not found in this schema. Some elements and attributes may be missing. -->
   <prk:occupancyChange> com:Integer </prk:occupancyChange> [1] ?
   <prk:_occupancyChangeValueExtension> com:_ExtensionType </prk:_occupancyChangeValueExtension> [0..1]
</.../>
```

Schema Component Representation

```
<xs:complexType name="OccupancyChangeValue">
   <xs:complexContent>
      <xs:extension base="com:DataValue">
         <xs:sequence>
            <xs:element name="occupancyChange" type="com:Integer" minOccurs="1" maxOccurs="1"/>
            <xs:element name="_occupancyChangeValueExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: OccupancyLevel

Super-types:	None
Sub-types:	None

Name	OccupancyLevel
Abstract	no
Documentation	Defines an occupancy level as specified by the data supplier.

XML Instance Representation

```
<.../>
   <prk:occupanyIndicator> prk:_ParkingOccupancyEnum </prk:occupanyIndicator> [1] ?
   <prk:_occupancyLevelExtension> com:_ExtensionType </prk:_occupancyLevelExtension> [0..1]
</.../>
```

Schema Component Representation

```
<xs:complexType name="OccupancyLevel">
   <xs:sequence>
      <xs:element name="occupanyIndicator" type="prk:_ParkingOccupancyEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="_occupancyLevelExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: OccupiedSpacesThresholds

Super-types:	Thresholds < **OccupiedSpacesThresholds** (by extension)
Sub-types:	None

Name	OccupiedSpacesThresholds

Abstract	no
Documentation	The threshold is defined by the number of occupied spaces on the parking.

XML Instance Representation

```
<...>
   <prk:lowerThreshold> com:NonNegativeInteger </prk:lowerThreshold> [0..1] ?
   <prk:upperThreshold> com:NonNegativeInteger </prk:upperThreshold> [0..1] ?
   <prk:lowerThresholdInPercent> com:Percentage </prk:lowerThresholdInPercent> [0..1] ?
   <prk:upperThresholdInPercent> com:Percentage </prk:upperThresholdInPercent> [0..1] ?
   <prk:boundaryValuesExcluded> com:Boolean </prk:boundaryValuesExcluded> [0..1] ?
   <prk:_thresholdsExtension> com:_ExtensionType </prk:_thresholdsExtension> [0..1]
   <prk:_occupiedSpacesThresholdsExtension> com:_ExtensionType </prk:_occupiedSpacesThresholdsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OccupiedSpacesThresholds">
   <xs:complexContent>
      <xs:extension base="prk:Thresholds">
         <xs:sequence>
            <xs:element name="_occupiedSpacesThresholdsExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: OperatingPattern

Super-types:	None
Sub-types:	• OperatingRestriction (by extension) • UsageScenario (by extension)

Name	OperatingPattern
Abstract	yes
Documentation	Specifies a usage scenario or operator restriction, optional with a validity and related location.

XML Instance Representation

```
<...
 operatingPatternIndex="com:Integer [1] ?">
   <prk:relatedLocation> prk:RelatedLocation </prk:relatedLocation> [0..*]
   <prk:validity> com:OverallPeriod </prk:validity> [0..1]
   <prk:_operatingPatternExtension> com:_ExtensionType </prk:_operatingPatternExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OperatingPattern" abstract="true">
   <xs:sequence>
      <xs:element name="relatedLocation" type="prk:RelatedLocation" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="validity" type="com:OverallPeriod" minOccurs="0"/>
      <xs:element name="_operatingPatternExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
   <xs:attribute name="operatingPatternIndex" type="com:Integer" use="required"/>
</xs:complexType>
```

top

Complex Type: OperatingPatternStatus

Super-types:	None
Sub-types:	None

Name	OperatingPatternStatus
Abstract	no
Documentation	The current status for this operating pattern.

XML Instance Representation

```
<...
 operatingPatternIndex="com:Integer [1] ?">
   <prk:operationStatus> fac:_OperationStatusEnum </prk:operationStatus> [1] ?
   <prk:ptScheduleUpdate> prk:PublicTransportSchedule </prk:ptScheduleUpdate> [0..*] ?
   <prk:_operatingPatternStatusExtension> com:_ExtensionType </prk:_operatingPatternStatusExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OperatingPatternStatus">
   <xs:sequence>
      <xs:element name="operationStatus" type="fac:_OperationStatusEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="ptScheduleUpdate" type="prk:PublicTransportSchedule" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="_operatingPatternStatusExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
   <xs:attribute name="operatingPatternIndex" type="com:Integer" use="required"/>
</xs:complexType>
```

top

Complex Type: OperatingRestriction

Super-types:	OperatingPattern < **OperatingRestriction** (by extension)
Sub-types:	None

Name	OperatingRestriction
Abstract	no
Documentation	A class defining an operating restriction.

XML Instance Representation

```
<...
 operatingPatternIndex="com:Integer [1] ?">
   <prk:relatedLocation> prk:RelatedLocation </prk:relatedLocation> [0..*]
   <prk:validity> com:OverallPeriod </prk:validity> [0..1]
   <prk:_operatingPatternExtension> com:_ExtensionType </prk:_operatingPatternExtension> [0..1]
   <prk:context> com:MultilingualString </prk:context> [0..1] ?
   <prk:type> prk:_OperatingRestrictionsEnum </prk:type> [1] ?
   <prk:_operatingRestrictionExtension> com:_ExtensionType </prk:_operatingRestrictionExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OperatingRestriction">
   <xs:complexContent>
      <xs:extension base="prk:OperatingPattern">
         <xs:sequence>
            <xs:element name="context" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
            <xs:element name="type" type="prk:_OperatingRestrictionsEnum" minOccurs="1" maxOccurs="1"/>
            <xs:element name="_operatingRestrictionExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: OperatorDefinedPlace

Super-types:	None
Sub-types:	None

Name	OperatorDefinedPlace
Abstract	no
Documentation	Class providing an operator specified name or identifier for a place hierarchy element - this may be distinct from the name for the HierarchyElement supplied by the data supplier.

XML Instance Representation

```
<...
 id="xs:string [1]"
 version="xs:string [1]">
   <prk:identifier> com:String </prk:identifier> [1] ?
   <prk:organisation> fac:Organisation </prk:organisation> [0..*]
   <prk:_operatorDefinedPlaceExtension> com:_ExtensionType </prk:_operatorDefinedPlaceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OperatorDefinedPlace">
   <xs:sequence>
      <xs:element name="identifier" type="com:String" minOccurs="1" maxOccurs="1"/>
      <xs:element name="organisation" type="fac:Organisation" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="_operatorDefinedPlaceExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
   <xs:attribute name="id" type="xs:string" use="required"/>
   <xs:attribute name="version" type="xs:string" use="required"/>
</xs:complexType>
```

top

Complex Type: ParkingRoute

Super-types:	None
Sub-types:	• ParkingRouteByReference (by extension) • ParkingRouteDetails (by extension)

Name	ParkingRoute
Abstract	yes
Documentation	A parking route, defined by ParkingRouteDetails or by a reference.

XML Instance Representation

```
<...>
   <prk:parkingRouteColour> prk:RgbColour </prk:parkingRouteColour> [0..1] ?
   <prk:_parkingRouteExtension> com:_ExtensionType </prk:_parkingRouteExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ParkingRoute" abstract="true">
```

```
  <xs:sequence>
    <xs:element name="parkingRouteColour" type="prk:RgbColour" minOccurs="0"/>
    <xs:element name="_parkingRouteExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

top

Complex Type: ParkingRouteByReference

Super-types:	ParkingRoute < **ParkingRouteByReference** (by extension)
Sub-types:	None

Name	ParkingRouteByReference
Abstract	no
Documentation	A route defined by a reference to an earlier specified route.

XML Instance Representation

```
<...>
  <prk:parkingRouteColour> prk:RgbColour </prk:parkingRouteColour> [0..1] ?
  <prk:_parkingRouteExtension> com:_ExtensionType </prk:_parkingRouteExtension> [0..1]
  <prk:parkingRouteReference> prk:_ParkingRouteDetailsVersionedReference </prk:parkingRouteReference> [1] ?
  <prk:_parkingRouteByReferenceExtension> com:_ExtensionType </prk:_parkingRouteByReferenceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ParkingRouteByReference">
  <xs:complexContent>
    <xs:extension base="prk:ParkingRoute">
      <xs:sequence>
        <xs:element name="parkingRouteReference" type="prk:_ParkingRouteDetailsVersionedReference" minOccurs="1"
        maxOccurs="1"/>
        <xs:element name="_parkingRouteByReferenceExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: ParkingRouteDetails

Super-types:	ParkingRoute < **ParkingRouteDetails** (by extension)
Sub-types:	None

Name	ParkingRouteDetails
Abstract	no
Documentation	Urban context: Defining parking routes leading to the parking site. Truck parking context: Can be used to define a dynamic route management.

XML Instance Representation

```
<...
 id="xs:string [1]"
 version="xs:string [1]">
  <prk:parkingRouteColour> prk:RgbColour </prk:parkingRouteColour> [0..1] ?
  <prk:_parkingRouteExtension> com:_ExtensionType </prk:_parkingRouteExtension> [0..1]
  <prk:name> com:MultilingualString </prk:name> [0..1] ?
  <prk:type> prk:_ParkingRouteTypeEnum </prk:type> [0..1] ?
  <prk:dynamicRouteManagement> com:Boolean </prk:dynamicRouteManagement> [0..1] ?
  <prk:iconIndex> com:String </prk:iconIndex> [0..1] ?
  <prk:direction> loc:_DirectionEnum </prk:direction> [0..1] ?
  <prk:orientation> prk:_ParkingRouteOrientationEnum </prk:orientation> [0..2] ?
  <prk:locationReference> loc:LocationReference </prk:locationReference> [0..1]
  <prk:parkingVms> prk:ParkingVms </prk:parkingVms> [0..*]
  <prk:_parkingRouteDetailsExtension> com:_ExtensionType </prk:_parkingRouteDetailsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ParkingRouteDetails">
  <xs:complexContent>
    <xs:extension base="prk:ParkingRoute">
      <xs:sequence>
        <xs:element name="name" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
        <xs:element name="type" type="prk:_ParkingRouteTypeEnum" minOccurs="0" maxOccurs="1"/>
        <xs:element name="dynamicRouteManagement" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="iconIndex" type="com:String" minOccurs="0" maxOccurs="1"/>
        <xs:element name="direction" type="loc:_DirectionEnum" minOccurs="0" maxOccurs="1"/>
        <xs:element name="orientation" type="prk:_ParkingRouteOrientationEnum" minOccurs="0" maxOccurs="2"/>
        <xs:element name="locationReference" type="loc:LocationReference" minOccurs="0"/>
        <xs:element name="parkingVms" type="prk:ParkingVms" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="_parkingRouteDetailsExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
      <xs:attribute name="id" type="xs:string" use="required"/>
      <xs:attribute name="version" type="xs:string" use="required"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: ParkingRouteStatus

Super-types:	None
Sub-types:	None

Name	ParkingRouteStatus
Abstract	no
Documentation	The status as well as the travel times of a parking route (active/inactive) defined in the static part of the model.

XML Instance Representation

```
<...>
   <prk:parkingRouteReference> prk:_ParkingRouteDetailsVersionedReference </prk:parkingRouteReference> [1] ?
   <prk:parkingRouteActive> com:Boolean </prk:parkingRouteActive> [1] ?
   <prk:travelTimeData> roa:TravelTimeData </prk:travelTimeData> [0..*]
   <prk:_parkingRouteStatusExtension> com:_ExtensionType </prk:_parkingRouteStatusExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ParkingRouteStatus">
   <xs:sequence>
      <xs:element name="parkingRouteReference" type="prk:_ParkingRouteDetailsVersionedReference" minOccurs="1"
      maxOccurs="1"/>
      <xs:element name="parkingRouteActive" type="com:Boolean" minOccurs="1" maxOccurs="1"/>
      <xs:element name="travelTimeData" type="roa:TravelTimeData" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="_parkingRouteStatusExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: ParkingStatusInformation

Super-types:	fac:FacilityStatus < **ParkingStatusInformation** (by extension)
Sub-types:	• AccessStatus (by extension) • CampusStatus (by extension) • PlaceStatus (by extension) • SpaceStatus (by extension)

Name	ParkingStatusInformation
Abstract	no
Documentation	General status information for parking related objects. Can also be historical or forecasted data. In this case, 'StatusValidity' must be specified.

XML Instance Representation

```
<...>
   <!-- 'fac:FacilityStatus' super type was not found in this schema. Some elements and attributes may be missing. --
   >
   <prk:queueingTime> com:Seconds </prk:queueingTime> [0..1] ?
   <prk:parkingConditions> prk:_ParkingConditionsEnum </prk:parkingConditions> [0..1] ?
   <prk:blurredAvailability> com:Boolean </prk:blurredAvailability> [0..1] ?
   <prk:parkingFault> prk:_ParkingFaultEnum </prk:parkingFault> [0..*] ?
   <prk:winterEquipmentManagementType> com:_WinterEquipmentManagementTypeEnum </prk:winterEquipmentManagementType>
   [0..*] ?
   <prk:parkingRouteStatus> prk:ParkingRouteStatus </prk:parkingRouteStatus> [0..*]
   <prk:occupancy> prk:Occupancy </prk:occupancy> [0..1]
   <prk:statusValidity> prk:StatusValidity </prk:statusValidity> [0..1]
   <prk:operatingPatternStatus> prk:OperatingPatternStatus </prk:operatingPatternStatus> [0..*]
   <prk:supply> prk:Supply </prk:supply> [0..1]
   <prk:demandTable> prk:DemandTable </prk:demandTable> [0..1]
   <prk:_parkingStatusInformationExtension> com:_ExtensionType </prk:_parkingStatusInformationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ParkingStatusInformation">
   <xs:complexContent>
      <xs:extension base="fac:FacilityStatus">
         <xs:sequence>
            <xs:element name="queueingTime" type="com:Seconds" minOccurs="0" maxOccurs="1"/>
            <xs:element name="parkingConditions" type="prk:_ParkingConditionsEnum" minOccurs="0" maxOccurs="1"/>
            <xs:element name="blurredAvailability" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
            <xs:element name="parkingFault" type="prk:_ParkingFaultEnum" minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="winterEquipmentManagementType" type="com:_WinterEquipmentManagementTypeEnum"
            minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="parkingRouteStatus" type="prk:ParkingRouteStatus" minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="occupancy" type="prk:Occupancy" minOccurs="0"/>
            <xs:element name="statusValidity" type="prk:StatusValidity" minOccurs="0"/>
            <xs:element name="operatingPatternStatus" type="prk:OperatingPatternStatus" minOccurs="0"
            maxOccurs="unbounded"/>
            <xs:element name="supply" type="prk:Supply" minOccurs="0"/>
            <xs:element name="demandTable" type="prk:DemandTable" minOccurs="0"/>
            <xs:element name="_parkingStatusInformationExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: ParkingStatusPublication

Super-types:	com:PayloadPublication < **ParkingStatusPublication** (by extension)
Sub-types:	None

Name	ParkingStatusPublication
Abstract	no
Documentation	A publication containing the current status of one or more objects of the place hierarchy defined in the ParkingStatusPublication.

XML Instance Representation

```
<...>
   <!-- 'com:PayloadPublication' super type was not found in this schema. Some elements and attributes may be
   missing. -->
   <prk:parkingTableReference> prk:_ParkingTableVersionedReference </prk:parkingTableReference> [0..*] ?
   <prk:headerInformation> com:HeaderInformation </prk:headerInformation> [0..1]
   <prk:parkingStatusInformation> prk:ParkingStatusInformation </prk:parkingStatusInformation> [1..*]
   <prk:_parkingStatusPublicationExtension> com:_ExtensionType </prk:_parkingStatusPublicationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ParkingStatusPublication">
   <xs:complexContent>
      <xs:extension base="com:PayloadPublication">
         <xs:sequence>
            <xs:element name="parkingTableReference" type="prk:_ParkingTableVersionedReference" minOccurs="0"
            maxOccurs="unbounded"/>
            <xs:element name="headerInformation" type="com:HeaderInformation" minOccurs="0"/>
            <xs:element name="parkingStatusInformation" type="prk:ParkingStatusInformation" maxOccurs="unbounded"/>
            <xs:element name="_parkingStatusPublicationExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: ParkingTable

Super-types:	None
Sub-types:	None

Name	ParkingTable
Abstract	no
Documentation	Parking information described by a number of tree-like place hierarchies.

XML Instance Representation

```
<...
 id="xs:string [1]"
 version="xs:string [1]">
   <prk:name> com:MultilingualString </prk:name> [0..1] ?
   <prk:versionTime> com:DateTime </prk:versionTime> [1] ?
   <prk:informationManager> com:InternationalIdentifier </prk:informationManager> [0..1] ?
   <prk:hierarchyElementGeneral> prk:HierarchyElementGeneral </prk:hierarchyElementGeneral> [1..*]
   <prk:_parkingTableExtension> com:_ExtensionType </prk:_parkingTableExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ParkingTable">
   <xs:sequence>
      <xs:element name="name" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="versionTime" type="com:DateTime" minOccurs="1" maxOccurs="1"/>
      <xs:element name="informationManager" type="com:InternationalIdentifier" minOccurs="0"/>
      <xs:element name="hierarchyElementGeneral" type="prk:HierarchyElementGeneral" maxOccurs="unbounded"/>
      <xs:element name="_parkingTableExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
   <xs:attribute name="id" type="xs:string" use="required"/>
   <xs:attribute name="version" type="xs:string" use="required"/>
</xs:complexType>
```

top

Complex Type: ParkingTablePublication

Super-types:	com:PayloadPublication < **ParkingTablePublication** (by extension)
Sub-types:	None

Name	ParkingTablePublication
Abstract	no
Documentation	A publication to define static information about sites or geographic areas designed to park vehicles, organised in tables.

XML Instance Representation

```
<...>
   <!-- 'com:PayloadPublication' super type was not found in this schema. Some elements and attributes may be
   missing. -->
   <prk:headerInformation> com:HeaderInformation </prk:headerInformation> [0..1]
   <prk:parkingTable> prk:ParkingTable </prk:parkingTable> [1..*]
   <prk:_parkingTablePublicationExtension> com:_ExtensionType </prk:_parkingTablePublicationExtension> [0..1]
```

```
</...>
```

Schema Component Representation

```
<xs:complexType name="ParkingTablePublication">
   <xs:complexContent>
      <xs:extension base="com:PayloadPublication">
         <xs:sequence>
            <xs:element name="headerInformation" type="com:HeaderInformation" minOccurs="0"/>
            <xs:element name="parkingTable" type="prk:ParkingTable" maxOccurs="unbounded"/>
            <xs:element name="_parkingTablePublicationExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: ParkingVms

Super-types:	None
Sub-types:	None

Name	ParkingVms
Abstract	no
Documentation	A reference to a record that contains the metadata for a specific VMS unit that may be used to manage the parking (e.g. to indicate to drivers the current availability of spaces) or a parking route.

XML Instance Representation

```
<...>
   <prk:vmsUsedToManageParking> prk:_VmsControllerVersionedReference </prk:vmsUsedToManageParking> [1] ?
   <prk:vmsOperator> fac:Organisation </prk:vmsOperator> [0..1]
   <prk:_parkingVmsExtension> com:_ExtensionType </prk:_parkingVmsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ParkingVms">
   <xs:sequence>
      <xs:element name="vmsUsedToManageParking" type="prk:_VmsControllerVersionedReference" minOccurs="1"
      maxOccurs="1"/>
      <xs:element name="vmsOperator" type="fac:Organisation" minOccurs="0"/>
      <xs:element name="_parkingVmsExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: PermitsAndProhibitions

Super-types:	None
Sub-types:	None

Name	PermitsAndProhibitions
Abstract	no
Documentation	Defines sets of action and regulations to specify permitted and prohibited issues.

XML Instance Representation

```
<...>
   <prk:activity> prk:_ActivityEnum </prk:activity> [1] ?
   <prk:regulation> prk:_RegulationEnum </prk:regulation> [1] ?
   <prk:_permitsAndProhibitionsExtension> com:_ExtensionType </prk:_permitsAndProhibitionsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PermitsAndProhibitions">
   <xs:sequence>
      <xs:element name="activity" type="prk:_ActivityEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="regulation" type="prk:_RegulationEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="_permitsAndProhibitionsExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: Place

Super-types:	fac:Facility < HierarchyElementGeneral (by extension) < **Place** (by extension)
Sub-types:	None

Name	Place
Abstract	no
Documentation	A place or location used for parking, loading, unloading, standing, or some other mobility or transport related activity.

XML Instance Representation

```
<...>
```

```
<...>
   <!-- 'fac:Facility' super type was not found in this schema. Some elements and attributes may be missing. -->
   <prk:layer> com:NonNegativeInteger </prk:layer> [1] ?
   <prk:type> prk:_HierarchyElementTypeEnum </prk:type> [1] ?
   <prk:parentId> prk:_FacilityObjectVersionedReference </prk:parentId> [0..1] ?
   <prk:childId> prk:_FacilityObjectVersionedReference </prk:childId> [0..*] ?
   <prk:operatorDefinedReference> prk:_OperatorDefinedPlaceVersionedReference </prk:operatorDefinedReference> [0..1]
   ?
   <prk:occupancyLevel> prk:OccupancyLevel </prk:occupancyLevel> [0..1]
   <prk:operatorDefinedPlace> prk:OperatorDefinedPlace </prk:operatorDefinedPlace> [0..*]
   <prk:_hierarchyElementGeneralExtension> com:_ExtensionType </prk:_hierarchyElementGeneralExtension> [0..1]
   <prk:layout> prk:_LayoutEnum </prk:layout> [0..1] ?
   <prk:availableFloors> com:String </prk:availableFloors> [0..1] ?
   <prk:commonComponents> prk:CommonComponents </prk:commonComponents> [0..1]
   <prk:_placeExtension> com:_ExtensionType </prk:_placeExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Place">
   <xs:complexContent>
      <xs:extension base="prk:HierarchyElementGeneral">
         <xs:sequence>
            <xs:element name="layout" type="prk:_LayoutEnum" minOccurs="0" maxOccurs="1"/>
            <xs:element name="availableFloors" type="com:String" minOccurs="0" maxOccurs="1"/>
            <xs:element name="commonComponents" type="prk:CommonComponents" minOccurs="0"/>
            <xs:element name="_placeExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: PlaceStatus

Super-types:	fac:FacilityStatus < ParkingStatusInformation (by extension) < **PlaceStatus** (by extension)
Sub-types:	None

Name	PlaceStatus
Abstract	no
Documentation	Dynamic status information for the static object 'Place' or 'SubplaceElement'.

XML Instance Representation

```
<...>
   <!-- 'fac:FacilityStatus' super type was not found in this schema. Some elements and attributes may be missing. --
   >
   <prk:queueingTime> com:Seconds </prk:queueingTime> [0..1] ?
   <prk:parkingConditions> prk:_ParkingConditionsEnum </prk:parkingConditions> [0..1] ?
   <prk:blurredAvailability> com:Boolean </prk:blurredAvailability> [0..1] ?
   <prk:parkingFault> prk:_ParkingFaultEnum </prk:parkingFault> [0..*] ?
   <prk:winterEquipmentManagementType> com:_WinterEquipmentManagementTypeEnum </prk:winterEquipmentManagementType>
   [0..*] ?
   <prk:parkingRouteStatus> prk:ParkingRouteStatus </prk:parkingRouteStatus> [0..*]
   <prk:occupancy> prk:Occupancy </prk:occupancy> [0..1]
   <prk:statusValidity> prk:StatusValidity </prk:statusValidity> [0..1]
   <prk:operatingPatternStatus> prk:OperatingPatternStatus </prk:operatingPatternStatus> [0..*]
   <prk:supply> prk:Supply </prk:supply> [0..1]
   <prk:demandTable> prk:DemandTable </prk:demandTable> [0..1]
   <prk:_parkingStatusInformationExtension> com:_ExtensionType </prk:_parkingStatusInformationExtension> [0..1]
   <prk:status> prk:_ParkingPlaceStatusEnum </prk:status> [0..*] ?
   <prk:parkingPlaceFullAtFloor> com:String </prk:parkingPlaceFullAtFloor> [0..*] ?
   <prk:declarationValidNow> com:Boolean </prk:declarationValidNow> [0..1] ?
   <prk:_placeStatusExtension> com:_ExtensionType </prk:_placeStatusExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PlaceStatus">
   <xs:complexContent>
      <xs:extension base="prk:ParkingStatusInformation">
         <xs:sequence>
            <xs:element name="status" type="prk:_ParkingPlaceStatusEnum" minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="parkingPlaceFullAtFloor" type="com:String" minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="declarationValidNow" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
            <xs:element name="_placeStatusExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: PointOfInterest

Super-types:	RelatedLocation < **PointOfInterest** (by extension)
Sub-types:	None

Name	PointOfInterest
Abstract	no
Documentation	A point of interest.

XML Instance Representation

```
<...>
```

```
   <prk:name> com:MultilingualString </prk:name> [1] ?
   <prk:description> com:MultilingualString </prk:description> [0..1] ?
   <prk:specialLocation> prk:_SpecialLocationEnum </prk:specialLocation> [0..1] ?
   <prk:locationReference> loc:LocationReference </prk:locationReference> [0..1]
   <prk:distanceFromOrigin> com:IntegerMetreDistanceValue </prk:distanceFromOrigin> [0..1]
   <prk:_relatedLocationExtension> com:_ExtensionType </prk:_relatedLocationExtension> [0..1]
   <prk:_pointOfInterestExtension> com:_ExtensionType </prk:_pointOfInterestExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PointOfInterest">
   <xs:complexContent>
      <xs:extension base="prk:RelatedLocation">
         <xs:sequence>
            <xs:element name="_pointOfInterestExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: PublicTransportSchedule

Super-types:	None
Sub-types:	None

Name	PublicTransportSchedule
Abstract	no
Documentation	A rough schedule for one or more public transport lines from this stop

XML Instance Representation

```
<...
 id="xs:string [1]"
 version="xs:string [1]">
   <prk:lastUpdated> com:DateTime </prk:lastUpdated> [1] ?
   <prk:line> com:String </prk:line> [0..*] ?
   <prk:nextDepartures> com:Time </prk:nextDepartures> [0..*] ?
   <prk:destination> com:MultilingualString </prk:destination> [0..1] ?
   <prk:interval> com:Seconds </prk:interval> [0..1] ?
   <prk:travelTimeToDestination> com:Seconds </prk:travelTimeToDestination> [0..1] ?
   <prk:ptType> prk:_PublicTransportTypeEnum </prk:ptType> [0..*] ?
   <prk:ptVehicleType> prk:_PublicTransportVehicleType </prk:ptVehicleType> [0..1] ?
   <prk:ptVehicleName> com:MultilingualString </prk:ptVehicleName> [0..1] ?
   <prk:ptOperator> com:MultilingualString </prk:ptOperator> [0..1] ?
   <prk:validity> com:Validity </prk:validity> [0..1]
   <prk:_publicTransportScheduleExtension> com:_ExtensionType </prk:_publicTransportScheduleExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PublicTransportSchedule">
   <xs:sequence>
      <xs:element name="lastUpdated" type="com:DateTime" minOccurs="1" maxOccurs="1"/>
      <xs:element name="line" type="com:String" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="nextDepartures" type="com:Time" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="destination" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="interval" type="com:Seconds" minOccurs="0" maxOccurs="1"/>
      <xs:element name="travelTimeToDestination" type="com:Seconds" minOccurs="0" maxOccurs="1"/>
      <xs:element name="ptType" type="prk:_PublicTransportTypeEnum" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="ptVehicleType" type="prk:_PublicTransportVehicleType" minOccurs="0" maxOccurs="1"/>
      <xs:element name="ptVehicleName" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="ptOperator" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="validity" type="com:Validity" minOccurs="0"/>
      <xs:element name="_publicTransportScheduleExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
   <xs:attribute name="id" type="xs:string" use="required"/>
   <xs:attribute name="version" type="xs:string" use="required"/>
</xs:complexType>
```

top

Complex Type: PublicTransportStop

Super-types:	RelatedLocation < **PublicTransportStop** (by extension)
Sub-types:	None

Name	PublicTransportStop
Abstract	no
Documentation	A public transport stop.

XML Instance Representation

```
<...>
   <prk:name> com:MultilingualString </prk:name> [1] ?
   <prk:description> com:MultilingualString </prk:description> [0..1] ?
   <prk:specialLocation> prk:_SpecialLocationEnum </prk:specialLocation> [0..1] ?
   <prk:locationReference> loc:LocationReference </prk:locationReference> [0..1]
   <prk:distanceFromOrigin> com:IntegerMetreDistanceValue </prk:distanceFromOrigin> [0..1]
   <prk:_relatedLocationExtension> com:_ExtensionType </prk:_relatedLocationExtension> [0..1]
   <prk:publicTransportSchedule> prk:PublicTransportSchedule </prk:publicTransportSchedule> [0..*]
   <prk:_publicTransportStopExtension> com:_ExtensionType </prk:_publicTransportStopExtension> [0..1]
```

```
</...>
```

Schema Component Representation

```
<xs:complexType name="PublicTransportStop">
   <xs:complexContent>
      <xs:extension base="prk:RelatedLocation">
         <xs:sequence>
            <xs:element name="publicTransportSchedule" type="prk:PublicTransportSchedule" minOccurs="0"
            maxOccurs="unbounded"/>
            <xs:element name="_publicTransportStopExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: RelatedLocation

Super-types:	None
Sub-types:	• PointOfInterest (by extension) • PublicTransportStop (by extension)

Name	RelatedLocation
Abstract	yes
Documentation	A location related to the specified operating pattern.

XML Instance Representation

```
<...>
   <prk:name> com:MultilingualString </prk:name> [1] ?
   <prk:description> com:MultilingualString </prk:description> [0..1] ?
   <prk:specialLocation> prk:_SpecialLocationEnum </prk:specialLocation> [0..1] ?
   <prk:locationReference> loc:LocationReference </prk:locationReference> [0..1]
   <prk:distanceFromOrigin> com:IntegerMetreDistanceValue </prk:distanceFromOrigin> [0..1]
   <prk:_relatedLocationExtension> com:_ExtensionType </prk:_relatedLocationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RelatedLocation" abstract="true">
   <xs:sequence>
      <xs:element name="name" type="com:MultilingualString" minOccurs="1" maxOccurs="1"/>
      <xs:element name="description" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="specialLocation" type="prk:_SpecialLocationEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="locationReference" type="loc:LocationReference" minOccurs="0"/>
      <xs:element name="distanceFromOrigin" type="com:IntegerMetreDistanceValue" minOccurs="0"/>
      <xs:element name="_relatedLocationExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: RgbColour

Super-types:	None
Sub-types:	None

Name	RgbColour
Abstract	no
Documentation	An RGB colour described by values for red, green and blue (0..255) as well as an optional name.

XML Instance Representation

```
<...>
   <prk:red> com:NonNegativeInteger </prk:red> [1] ?
   <prk:green> com:NonNegativeInteger </prk:green> [1] ?
   <prk:blue> com:NonNegativeInteger </prk:blue> [1] ?
   <prk:colourName> com:MultilingualString </prk:colourName> [0..1] ?
   <prk:_rgbColourExtension> com:_ExtensionType </prk:_rgbColourExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RgbColour">
   <xs:sequence>
      <xs:element name="red" type="com:NonNegativeInteger" minOccurs="1" maxOccurs="1"/>
      <xs:element name="green" type="com:NonNegativeInteger" minOccurs="1" maxOccurs="1"/>
      <xs:element name="blue" type="com:NonNegativeInteger" minOccurs="1" maxOccurs="1"/>
      <xs:element name="colourName" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="_rgbColourExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: RoadInformationEnhanced

Super-types:	loc:RoadInformation < **RoadInformationEnhanced** (by extension)
Sub-types:	None

Name	RoadInformationEnhanced
Abstract	no
Documentation	Additional road information.

XML Instance Representation

```
<...>
   <!-- 'loc:RoadInformation' super type was not found in this schema. Some elements and attributes may be missing. -
   ->
   <prk:typeOfRoad> prk:_RoadTypeEnum </prk:typeOfRoad> [0..1] ?
   <prk:roadOrigination> com:MultilingualString </prk:roadOrigination> [0..*] ?
   <prk:_roadInformationEnhancedExtension> com:_ExtensionType </prk:_roadInformationEnhancedExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RoadInformationEnhanced">
   <xs:complexContent>
      <xs:extension base="loc:RoadInformation">
         <xs:sequence>
            <xs:element name="typeOfRoad" type="prk:_RoadTypeEnum" minOccurs="0" maxOccurs="1"/>
            <xs:element name="roadOrigination" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="_roadInformationEnhancedExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: SafetyStandardClassification

Super-types:	None
Sub-types:	None

Name	SafetyStandardClassification
Abstract	no
Documentation	Use this class to classification type/level for security schemes for this place

XML Instance Representation

```
<...>
   <prk:securityFeature> prk:_ParkingSecurityEnum </prk:securityFeature> [0..1] ?
   <prk:securityLevel> prk:_EsporgStandardLevelEnum </prk:securityLevel> [0..1] ?
   <prk:additionalSecurity> com:MultilingualString </prk:additionalSecurity> [0..*] ?
   <prk:safety> prk:_ParkingSafetyEnum </prk:safety> [0..*] ?
   <prk:additionalSafety> com:MultilingualString </prk:additionalSafety> [0..*] ?
   <prk:supervision> prk:_ParkingSupervisionEnum </prk:supervision> [0..*] ?
   <prk:securityNationalClassification> com:MultilingualString </prk:securityNationalClassification> [0..1] ?
   <prk:certifiedSecureParking> prk:CertifiedSecureParking </prk:certifiedSecureParking> [0..*]
   <prk:_safetyStandardClassificationExtension> com:_ExtensionType </prk:_safetyStandardClassificationExtension>
   [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="SafetyStandardClassification">
   <xs:sequence>
      <xs:element name="securityFeature" type="prk:_ParkingSecurityEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="securityLevel" type="prk:_EsporgStandardLevelEnum" minOccurs="0" maxOccurs="1"/>
      <xs:element name="additionalSecurity" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="safety" type="prk:_ParkingSafetyEnum" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="additionalSafety" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="supervision" type="prk:_ParkingSupervisionEnum" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="securityNationalClassification" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
      <xs:element name="certifiedSecureParking" type="prk:CertifiedSecureParking" minOccurs="0"
      maxOccurs="unbounded"/>
      <xs:element name="_safetyStandardClassificationExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: SpaceStatus

Super-types:	fac:FacilityStatus < ParkingStatusInformation (by extension) < **SpaceStatus** (by extension)
Sub-types:	None

Name	SpaceStatus
Abstract	no
Documentation	Status for a single parking space which was defined in the static part of the model.

XML Instance Representation

```
<...>
   <!-- 'fac:FacilityStatus' super type was not found in this schema. Some elements and attributes may be missing. --
   >
   <prk:queueingTime> com:Seconds </prk:queueingTime> [0..1] ?
   <prk:parkingConditions> prk:_ParkingConditionsEnum </prk:parkingConditions> [0..1] ?
   <prk:blurredAvailability> com:Boolean </prk:blurredAvailability> [0..1] ?
   <prk:parkingFault> prk:_ParkingFaultEnum </prk:parkingFault> [0..*] ?
   <prk:winterEquipmentManagementType> com:_WinterEquipmentManagementTypeEnum </prk:winterEquipmentManagementType>
   [0..*] ?
```

```
   <prk:parkingRouteStatus> prk:ParkingRouteStatus </prk:parkingRouteStatus> [0..*]
   <prk:occupancy> prk:Occupancy </prk:occupancy> [0..1]
   <prk:statusValidity> prk:StatusValidity </prk:statusValidity> [0..1]
   <prk:operatingPatternStatus> prk:OperatingPatternStatus </prk:operatingPatternStatus> [0..*]
   <prk:supply> prk:Supply </prk:supply> [0..1]
   <prk:demandTable> prk:DemandTable </prk:demandTable> [0..1]
   <prk:_parkingStatusInformationExtension> com:_ExtensionType </prk:_parkingStatusInformationExtension> [0..1]
   <prk:occupied> com:Boolean </prk:occupied> [1] ?
   <prk:declarationValidNow> com:Boolean </prk:declarationValidNow> [0..1] ?
   <prk:measurementOrCalculationTime> com:DateTime </prk:measurementOrCalculationTime> [0..1] ?
   <prk:lastCalibration> com:DateTime </prk:lastCalibration> [0..1] ?
   <prk:_spaceStatusExtension> com:_ExtensionType </prk:_spaceStatusExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="SpaceStatus">
   <xs:complexContent>
      <xs:extension base="prk:ParkingStatusInformation">
         <xs:sequence>
            <xs:element name="occupied" type="com:Boolean" minOccurs="1" maxOccurs="1"/>
            <xs:element name="declarationValidNow" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
            <xs:element name="measurementOrCalculationTime" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
            <xs:element name="lastCalibration" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
            <xs:element name="_spaceStatusExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: StatusConfiguration

Super-types:	None
Sub-types:	None

Name	StatusConfiguration
Abstract	no
Documentation	A parking site status that shall be configured.

XML Instance Representation

```
<...>
   <prk:parkingStatus> prk:_ParkingPlaceStatusEnum </prk:parkingStatus> [1] ?
   <prk:thresholds> prk:Thresholds </prk:thresholds> [1] ?
   <prk:statusColourMapping> prk:RgbColour </prk:statusColourMapping> [0..1] ?
   <prk:_statusConfigurationExtension> com:_ExtensionType </prk:_statusConfigurationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="StatusConfiguration">
   <xs:sequence>
      <xs:element name="parkingStatus" type="prk:_ParkingPlaceStatusEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="thresholds" type="prk:Thresholds"/>
      <xs:element name="statusColourMapping" type="prk:RgbColour" minOccurs="0"/>
      <xs:element name="_statusConfigurationExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: StatusValidity

Super-types:	None
Sub-types:	• ValidityByOffset (by extension) • ValidityByPeriod (by extension) • ValidityByTime (by extension)

Name	StatusValidity
Abstract	yes
Documentation	To be used only for historical or forecasted data. Choose between an explicit point of time, an offset or all points of time within a specified period.

XML Instance Representation

```
<...>
   <prk:_statusValidityExtension> com:_ExtensionType </prk:_statusValidityExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="StatusValidity" abstract="true">
   <xs:sequence>
      <xs:element name="_statusValidityExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: SupplementalFacility

Super-types:	fac:Facility < HierarchyElementGeneral (by extension) < IdentifiedArea (by extension) < **SupplementalFacility** (by extension)
Sub-types:	None

Name	SupplementalFacility
Abstract	no
Documentation	A specialisation of an identifiedArea referencing an identifiable area with associated identified services or equipment.

XML Instance Representation

```
<...>
   <!-- 'fac:Facility' super type was not found in this schema. Some elements and attributes may be missing. -->
   <prk:layer> com:NonNegativeInteger </prk:layer> [1] ?
   <prk:type> prk:_HierarchyElementTypeEnum </prk:type> [1] ?
   <prk:parentId> prk:_FacilityObjectVersionedReference </prk:parentId> [0..1] ?
   <prk:childId> prk:_FacilityObjectVersionedReference </prk:childId> [0..*] ?
   <prk:operatorDefinedReference> prk:_OperatorDefinedPlaceVersionedReference </prk:operatorDefinedReference> [0..1]
   ?
   <prk:occupancyLevel> prk:OccupancyLevel </prk:occupancyLevel> [0..1]
   <prk:operatorDefinedPlace> prk:OperatorDefinedPlace </prk:operatorDefinedPlace> [0..*]
   <prk:_hierarchyElementGeneralExtension> com:_ExtensionType </prk:_hierarchyElementGeneralExtension> [0..1]
   <prk:_identifiedAreaExtension> com:_ExtensionType </prk:_identifiedAreaExtension> [0..1]
   <prk:_supplementalFacilityExtension> com:_ExtensionType </prk:_supplementalFacilityExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="SupplementalFacility">
   <xs:complexContent>
      <xs:extension base="prk:IdentifiedArea">
         <xs:sequence>
            <xs:element name="_supplementalFacilityExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: Supply

Super-types:	None
Sub-types:	None

Name	Supply
Abstract	no
Documentation	A class defining concepts relating the parameters of the supply of parking or others uses in a Place. This is the total number of spaces usable for parking or other mobility operations. It can be defined as demarcated spaces or non-demarcated.

XML Instance Representation

```
<...>
   <prk:quantity> com:Integer </prk:quantity> [1] ?
   <prk:viewType> prk:_SupplyViewTypeEnum </prk:viewType> [1] ?
   <prk:startValidUsagePeriod> com:DateTime </prk:startValidUsagePeriod> [0..1] ?
   <prk:endValidUsagePeriod> com:DateTime </prk:endValidUsagePeriod> [0..1] ?
   <prk:spacesReference> prk:_FacilityObjectVersionedReference </prk:spacesReference> [0..*] ?
   <prk:_supplyExtension> com:_ExtensionType </prk:_supplyExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Supply">
   <xs:sequence>
      <xs:element name="quantity" type="com:Integer" minOccurs="1" maxOccurs="1"/>
      <xs:element name="viewType" type="prk:_SupplyViewTypeEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="startValidUsagePeriod" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
      <xs:element name="endValidUsagePeriod" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
      <xs:element name="spacesReference" type="prk:_FacilityObjectVersionedReference" minOccurs="0"
      maxOccurs="unbounded"/>
      <xs:element name="_supplyExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: ThresholdConfiguration

Super-types:	None
Sub-types:	None

Name	ThresholdConfiguration
Abstract	no
Documentation	Configuration of thresholds and colours for the status parameter. Only one status should be active at a time, so that the most recently activated status means that an existing active status should be considered no longer active.

XML Instance Representation

```
<...>
   <prk:lastMaximumOccupancy> com:NonNegativeInteger </prk:lastMaximumOccupancy> [0..1] ?
```

```
   <prk:statusConfiguration> prk:StatusConfiguration </prk:statusConfiguration> [1..*]
   <prk:_thresholdConfigurationExtension> com:_ExtensionType </prk:_thresholdConfigurationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ThresholdConfiguration">
   <xs:sequence>
      <xs:element name="lastMaximumOccupancy" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
      <xs:element name="statusConfiguration" type="prk:StatusConfiguration" maxOccurs="unbounded"/>
      <xs:element name="_thresholdConfigurationExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: Thresholds

Super-types:	None
Sub-types:	• AvailableSpacesThresholds (by extension) • OccupiedSpacesThresholds (by extension) • VehiclesOnSiteThresholds (by extension)

Name	Thresholds
Abstract	yes
Documentation	Threshold values to configure the given parking site status.

XML Instance Representation

```
<...>
   <prk:lowerThreshold> com:NonNegativeInteger </prk:lowerThreshold> [0..1] ?
   <prk:upperThreshold> com:NonNegativeInteger </prk:upperThreshold> [0..1] ?
   <prk:lowerThresholdInPercent> com:Percentage </prk:lowerThresholdInPercent> [0..1] ?
   <prk:upperThresholdInPercent> com:Percentage </prk:upperThresholdInPercent> [0..1] ?
   <prk:boundaryValuesExcluded> com:Boolean </prk:boundaryValuesExcluded> [0..1] ?
   <prk:_thresholdsExtension> com:_ExtensionType </prk:_thresholdsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Thresholds" abstract="true">
   <xs:sequence>
      <xs:element name="lowerThreshold" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
      <xs:element name="upperThreshold" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
      <xs:element name="lowerThresholdInPercent" type="com:Percentage" minOccurs="0" maxOccurs="1"/>
      <xs:element name="upperThresholdInPercent" type="com:Percentage" minOccurs="0" maxOccurs="1"/>
      <xs:element name="boundaryValuesExcluded" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="_thresholdsExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: UsageScenario

Super-types:	OperatingPattern < **UsageScenario** (by extension)
Sub-types:	None

Name	UsageScenario
Abstract	no
Documentation	A special type of usage available for this campus, (sub)place, space or identified area. In the 'ParkingStatusPublication', the operation type (in operation or not) can be defined.

XML Instance Representation

```
<...
 operatingPatternIndex="com:Integer [1] ?">
   <prk:relatedLocation> prk:RelatedLocation </prk:relatedLocation> [0..*]
   <prk:validity> com:OverallPeriod </prk:validity> [0..1]
   <prk:_operatingPatternExtension> com:_ExtensionType </prk:_operatingPatternExtension> [0..1]
   <prk:type> prk:_ParkingUsageScenarioEnum </prk:type> [1..*] ?
   <prk:description> com:MultilingualString </prk:description> [0..1] ?
   <prk:truckParkingDynamicManagement> prk:_TruckParkingDynamicManagementEnum </prk:truckParkingDynamicManagement>
   [0..*] ?
   <prk:eventParkingType> com:_PublicEventTypeEnum </prk:eventParkingType> [0..1] ?
   <prk:_usageScenarioExtension> com:_ExtensionType </prk:_usageScenarioExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="UsageScenario">
   <xs:complexContent>
      <xs:extension base="prk:OperatingPattern">
         <xs:sequence>
            <xs:element name="type" type="prk:_ParkingUsageScenarioEnum" minOccurs="1" maxOccurs="unbounded"/>
            <xs:element name="description" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
            <xs:element name="truckParkingDynamicManagement" type="prk:_TruckParkingDynamicManagementEnum"
            minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="eventParkingType" type="com:_PublicEventTypeEnum" minOccurs="0" maxOccurs="1"/>
            <xs:element name="_usageScenarioExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: ValidityByOffset

Super-types:	StatusValidity < **ValidityByOffset** (by extension)
Sub-types:	None

Name	ValidityByOffset
Abstract	no
Documentation	The status validity expressed by an offset in seconds to the 'lastUpdated' timestamp.

XML Instance Representation

```
<...>
   <prk:_statusValidityExtension> com:_ExtensionType </prk:_statusValidityExtension> [0..1]
   <prk:statusTimeOffsetToOrigin> com:Seconds </prk:statusTimeOffsetToOrigin> [1] ?
   <prk:_validityByOffsetExtension> com:_ExtensionType </prk:_validityByOffsetExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ValidityByOffset">
   <xs:complexContent>
      <xs:extension base="prk:StatusValidity">
         <xs:sequence>
            <xs:element name="statusTimeOffsetToOrigin" type="com:Seconds" minOccurs="1" maxOccurs="1"/>
            <xs:element name="_validityByOffsetExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: ValidityByPeriod

Super-types:	StatusValidity < **ValidityByPeriod** (by extension)
Sub-types:	None

Name	ValidityByPeriod
Abstract	no
Documentation	The status validity expressed by the period model.

XML Instance Representation

```
<...>
   <prk:_statusValidityExtension> com:_ExtensionType </prk:_statusValidityExtension> [0..1]
   <prk:validityTimeSpecification> com:OverallPeriod </prk:validityTimeSpecification> [1] ?
   <prk:_validityByPeriodExtension> com:_ExtensionType </prk:_validityByPeriodExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ValidityByPeriod">
   <xs:complexContent>
      <xs:extension base="prk:StatusValidity">
         <xs:sequence>
            <xs:element name="validityTimeSpecification" type="com:OverallPeriod"/>
            <xs:element name="_validityByPeriodExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: ValidityByTime

Super-types:	StatusValidity < **ValidityByTime** (by extension)
Sub-types:	None

Name	ValidityByTime
Abstract	no
Documentation	The status validity expressed by a point of time.

XML Instance Representation

```
<...>
   <prk:_statusValidityExtension> com:_ExtensionType </prk:_statusValidityExtension> [0..1]
   <prk:statusTime> com:DateTime </prk:statusTime> [1] ?
   <prk:_validityByTimeExtension> com:_ExtensionType </prk:_validityByTimeExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ValidityByTime">
   <xs:complexContent>
      <xs:extension base="prk:StatusValidity">
         <xs:sequence>
            <xs:element name="statusTime" type="com:DateTime" minOccurs="1" maxOccurs="1"/>
            <xs:element name="_validityByTimeExtension" type="com:_ExtensionType" minOccurs="0"/>
```

```
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: VehicleCountAndRate

Super-types:	None
Sub-types:	None

Name	VehicleCountAndRate
Abstract	no
Documentation	Vehicle rates can be assigned to a parking site or to assigned parking spaces. Furthermore, they can reference to a measurement site or to an entrance/exit.

XML Instance Representation

```
<...>
  <prk:measurementSiteReference> prk:_MeasurementSiteVersionedReference </prk:measurementSiteReference> [0..1] ?
  <prk:measuredValueIndex> com:NonNegativeInteger </prk:measuredValueIndex> [0..1] ?
  <prk:dedicatedAccess> prk:_FacilityObjectVersionedReference </prk:dedicatedAccess> [0..1] ?
  <prk:lastCalibration> com:DateTime </prk:lastCalibration> [0..1] ?
  <prk:coveringPetrolStationArea> com:Boolean </prk:coveringPetrolStationArea> [0..1] ?
  <prk:vehicleCountWithinInterval> prk:VehicleCountWithinInterval </prk:vehicleCountWithinInterval> [0..*]
  <prk:vehicleRate> prk:VehicleRate </prk:vehicleRate> [0..*]
  <prk:measurementTimeDefault> roa:MeasurementOrCalculationTime </prk:measurementTimeDefault> [0..1] ?
  <prk:_vehicleCountAndRateExtension> com:_ExtensionType </prk:_vehicleCountAndRateExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="VehicleCountAndRate">
  <xs:sequence>
    <xs:element name="measurementSiteReference" type="prk:_MeasurementSiteVersionedReference" minOccurs="0"
    maxOccurs="1"/>
    <xs:element name="measuredValueIndex" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
    <xs:element name="dedicatedAccess" type="prk:_FacilityObjectVersionedReference" minOccurs="0" maxOccurs="1"/>
    <xs:element name="lastCalibration" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
    <xs:element name="coveringPetrolStationArea" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="vehicleCountWithinInterval" type="prk:VehicleCountWithinInterval" minOccurs="0"
    maxOccurs="unbounded"/>
    <xs:element name="vehicleRate" type="prk:VehicleRate" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="measurementTimeDefault" type="roa:MeasurementOrCalculationTime" minOccurs="0"/>
    <xs:element name="_vehicleCountAndRateExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

top

Complex Type: VehicleCountValue

Super-types:	com:DataValue < **VehicleCountValue** (by extension)
Sub-types:	None

Name	VehicleCountValue
Abstract	no
Documentation	A measured or calculated value of absolute count of vehicles within a specified period of time expressed as non-negative integer.

XML Instance Representation

```
<...>
  <!-- 'com:DataValue' super type was not found in this schema. Some elements and attributes may be missing. -->
  <prk:vehicleCount> com:NonNegativeInteger </prk:vehicleCount> [1] ?
  <prk:_vehicleCountValueExtension> com:_ExtensionType </prk:_vehicleCountValueExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="VehicleCountValue">
  <xs:complexContent>
    <xs:extension base="com:DataValue">
      <xs:sequence>
        <xs:element name="vehicleCount" type="com:NonNegativeInteger" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_vehicleCountValueExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: VehicleCountWithinInterval

Super-types:	None
Sub-types:	None

Name	VehicleCountWithinInterval
Abstract	no

Documentation Gives incoming and/or outgoing vehicles and/or change of occupied spaces within a given interval.

XML Instance Representation

```
<...>
   <prk:measurementInterval> com:Seconds </prk:measurementInterval> [0..1] ?
   <prk:numberOfIncomingVehicles> prk:VehicleCountValue </prk:numberOfIncomingVehicles> [0..1] ?
   <prk:numberOfOutgoingVehicles> prk:VehicleCountValue </prk:numberOfOutgoingVehicles> [0..1] ?
   <prk:changeOfOccupiedSpaces> prk:OccupancyChangeValue </prk:changeOfOccupiedSpaces> [0..1] ?
   <prk:countedVehicles> com:VehicleCharacteristics </prk:countedVehicles> [0..1]
   <prk:measurementOrCalculationTime> roa:MeasurementOrCalculationTime </prk:measurementOrCalculationTime> [0..1]
   <prk:_vehicleCountWithinIntervalExtension> com:_ExtensionType </prk:_vehicleCountWithinIntervalExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="VehicleCountWithinInterval">
   <xs:sequence>
      <xs:element name="measurementInterval" type="com:Seconds" minOccurs="0" maxOccurs="1"/>
      <xs:element name="numberOfIncomingVehicles" type="prk:VehicleCountValue" minOccurs="0"/>
      <xs:element name="numberOfOutgoingVehicles" type="prk:VehicleCountValue" minOccurs="0"/>
      <xs:element name="changeOfOccupiedSpaces" type="prk:OccupancyChangeValue" minOccurs="0"/>
      <xs:element name="countedVehicles" type="com:VehicleCharacteristics" minOccurs="0"/>
      <xs:element name="measurementOrCalculationTime" type="roa:MeasurementOrCalculationTime" minOccurs="0"/>
      <xs:element name="_vehicleCountWithinIntervalExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: VehicleRate

Super-types:	None
Sub-types:	None

Name VehicleRate

Abstract no

Documentation Information about vehicle fill and exit rates or the general vehicle flow rate without direction.

XML Instance Representation

```
<...>
   <prk:fillRate> com:VehicleFlowValue </prk:fillRate> [0..1] ?
   <prk:exitRate> com:VehicleFlowValue </prk:exitRate> [0..1] ?
   <prk:vehicleFlowRate> com:VehicleFlowValue </prk:vehicleFlowRate> [0..1] ?
   <prk:measuredVehicles> com:VehicleCharacteristics </prk:measuredVehicles> [0..1]
   <prk:measurementOrCalculationTime> roa:MeasurementOrCalculationTime </prk:measurementOrCalculationTime> [0..1]
   <prk:_vehicleRateExtension> com:_ExtensionType </prk:_vehicleRateExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="VehicleRate">
   <xs:sequence>
      <xs:element name="fillRate" type="com:VehicleFlowValue" minOccurs="0"/>
      <xs:element name="exitRate" type="com:VehicleFlowValue" minOccurs="0"/>
      <xs:element name="vehicleFlowRate" type="com:VehicleFlowValue" minOccurs="0"/>
      <xs:element name="measuredVehicles" type="com:VehicleCharacteristics" minOccurs="0"/>
      <xs:element name="measurementOrCalculationTime" type="roa:MeasurementOrCalculationTime" minOccurs="0"/>
      <xs:element name="_vehicleRateExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: VehiclesOnSiteThresholds

Super-types:	Thresholds < **VehiclesOnSiteThresholds** (by extension)
Sub-types:	None

Name VehiclesOnSiteThresholds

Abstract no

Documentation The threshold is defined by the number of vehicles on the parking. This may differ from the number of occupied spaces, for example when vehicles share spaces.

XML Instance Representation

```
<...>
   <prk:lowerThreshold> com:NonNegativeInteger </prk:lowerThreshold> [0..1] ?
   <prk:upperThreshold> com:NonNegativeInteger </prk:upperThreshold> [0..1] ?
   <prk:lowerThresholdInPercent> com:Percentage </prk:lowerThresholdInPercent> [0..1] ?
   <prk:upperThresholdInPercent> com:Percentage </prk:upperThresholdInPercent> [0..1] ?
   <prk:boundaryValuesExcluded> com:Boolean </prk:boundaryValuesExcluded> [0..1] ?
   <prk:_thresholdsExtension> com:_ExtensionType </prk:_thresholdsExtension> [0..1]
   <prk:_vehiclesOnSiteThresholdsExtension> com:_ExtensionType </prk:_vehiclesOnSiteThresholdsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="VehiclesOnSiteThresholds">
   <xs:complexContent>
      <xs:extension base="prk:Thresholds">
         <xs:sequence>
            <xs:element name="_vehiclesOnSiteThresholdsExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
```

```
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: _ActivityEnum

Super-types:	xs:string < ActivityEnum (by restriction) < **_ActivityEnum** (by extension)
Sub-types:	None

Name	_ActivityEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  prk:ActivityEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ActivityEnum">
  <xs:simpleContent>
    <xs:extension base="prk:ActivityEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _CalculationTypeEnum

Super-types:	xs:string < CalculationTypeEnum (by restriction) < **_CalculationTypeEnum** (by extension)
Sub-types:	None

Name	_CalculationTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  prk:CalculationTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_CalculationTypeEnum">
  <xs:simpleContent>
    <xs:extension base="prk:CalculationTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _CampusStatusEnum

Super-types:	xs:string < CampusStatusEnum (by restriction) < **_CampusStatusEnum** (by extension)
Sub-types:	None

Name	_CampusStatusEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  prk:CampusStatusEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_CampusStatusEnum">
  <xs:simpleContent>
    <xs:extension base="prk:CampusStatusEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _CoveredEnum

Super-types:	xs:string < CoveredEnum (by restriction) < **_CoveredEnum** (by extension)

Sub-types:	None

Name _CoveredEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:CoveredEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_CoveredEnum">
   <xs:simpleContent>
      <xs:extension base="prk:CoveredEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _EsporgStandardLevelEnum

Super-types:	xs:string < EsporgStandardLevelEnum (by restriction) < **_EsporgStandardLevelEnum** (by extension)
Sub-types:	None

Name _EsporgStandardLevelEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:EsporgStandardLevelEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_EsporgStandardLevelEnum">
   <xs:simpleContent>
      <xs:extension base="prk:EsporgStandardLevelEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _FacilityObjectReference

Super-types:	com:Reference < **_FacilityObjectReference** (by extension)
Sub-types:	None

Name _FacilityObjectReference

Abstract no

XML Instance Representation

```
<...
 targetClass="fac:FacilityObject [1]">
   <!-- 'com:Reference' super type was not found in this schema. Some elements and attributes may be missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_FacilityObjectReference">
   <xs:complexContent>
      <xs:extension base="com:Reference">
         <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:FacilityObject"/>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: _FacilityObjectVersionedReference

Super-types:	com:VersionedReference < **_FacilityObjectVersionedReference** (by extension)
Sub-types:	None

Name _FacilityObjectVersionedReference

Abstract no

XML Instance Representation

```
<...
 targetClass="fac:FacilityObject [1]">
   <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
   missing. -->
```

```
</...>
```

Schema Component Representation

```
<xs:complexType name="_FacilityObjectVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:FacilityObject"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: _HierarchyElementTypeEnum

Super-types:	xs:string < HierarchyElementTypeEnum (by restriction) < **_HierarchyElementTypeEnum** (by extension)
Sub-types:	None

Name	_HierarchyElementTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  prk:HierarchyElementTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_HierarchyElementTypeEnum">
  <xs:simpleContent>
    <xs:extension base="prk:HierarchyElementTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _LayoutEnum

Super-types:	xs:string < LayoutEnum (by restriction) < **_LayoutEnum** (by extension)
Sub-types:	None

Name	_LayoutEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  prk:LayoutEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_LayoutEnum">
  <xs:simpleContent>
    <xs:extension base="prk:LayoutEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _MeasurementSiteVersionedReference

Super-types:	com:VersionedReference < **_MeasurementSiteVersionedReference** (by extension)
Sub-types:	None

Name	_MeasurementSiteVersionedReference
Abstract	no

XML Instance Representation

```
<...
 targetClass="roa:MeasurementSite [1]">
  <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
  missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_MeasurementSiteVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="roa:MeasurementSite"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: _OperatingRestrictionsEnum

Super-types:	xs:string < OperatingRestrictionsEnum (by restriction) < **_OperatingRestrictionsEnum** (by extension)
Sub-types:	None

Name	_OperatingRestrictionsEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:OperatingRestrictionsEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_OperatingRestrictionsEnum">
   <xs:simpleContent>
      <xs:extension base="prk:OperatingRestrictionsEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _OperatorDefinedPlaceVersionedReference

Super-types:	com:VersionedReference < **_OperatorDefinedPlaceVersionedReference** (by extension)
Sub-types:	None

Name	_OperatorDefinedPlaceVersionedReference
Abstract	no

XML Instance Representation

```
<...
 targetClass="prk:OperatorDefinedPlace [1]">
   <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
   missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_OperatorDefinedPlaceVersionedReference">
   <xs:complexContent>
      <xs:extension base="com:VersionedReference">
         <xs:attribute name="targetClass" type="xs:string" use="required" fixed="prk:OperatorDefinedPlace"/>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: _ParkingConditionsEnum

Super-types:	xs:string < ParkingConditionsEnum (by restriction) < **_ParkingConditionsEnum** (by extension)
Sub-types:	None

Name	_ParkingConditionsEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:ParkingConditionsEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingConditionsEnum">
   <xs:simpleContent>
      <xs:extension base="prk:ParkingConditionsEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ParkingFaultEnum

Super-types:	xs:string < ParkingFaultEnum (by restriction) < **_ParkingFaultEnum** (by extension)
Sub-types:	None

Name _ParkingFaultEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:ParkingFaultEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingFaultEnum">
   <xs:simpleContent>
      <xs:extension base="prk:ParkingFaultEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ParkingModeEnum

Super-types:	xs:string < ParkingModeEnum (by restriction) < **_ParkingModeEnum** (by extension)
Sub-types:	None

Name _ParkingModeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:ParkingModeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingModeEnum">
   <xs:simpleContent>
      <xs:extension base="prk:ParkingModeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ParkingOccupancyEnum

Super-types:	xs:string < ParkingOccupancyEnum (by restriction) < **_ParkingOccupancyEnum** (by extension)
Sub-types:	None

Name _ParkingOccupancyEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:ParkingOccupancyEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingOccupancyEnum">
   <xs:simpleContent>
      <xs:extension base="prk:ParkingOccupancyEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ParkingOccupancyTrendEnum

Super-types:	xs:string < ParkingOccupancyTrendEnum (by restriction) < **_ParkingOccupancyTrendEnum** (by extension)
Sub-types:	None

Name _ParkingOccupancyTrendEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:ParkingOccupancyTrendEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingOccupancyTrendEnum">
  <xs:simpleContent>
    <xs:extension base="prk:ParkingOccupancyTrendEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ParkingPlaceStatusEnum

Super-types:	xs:string < ParkingPlaceStatusEnum (by restriction) < **_ParkingPlaceStatusEnum** (by extension)
Sub-types:	None

Name _ParkingPlaceStatusEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  prk:ParkingPlaceStatusEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingPlaceStatusEnum">
  <xs:simpleContent>
    <xs:extension base="prk:ParkingPlaceStatusEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ParkingRouteDetailsVersionedReference

Super-types:	com:VersionedReference < **_ParkingRouteDetailsVersionedReference** (by extension)
Sub-types:	None

Name _ParkingRouteDetailsVersionedReference

Abstract no

XML Instance Representation

```
<...
 targetClass="prk:ParkingRouteDetails [1]">
  <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
  missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingRouteDetailsVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="prk:ParkingRouteDetails"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: _ParkingRouteOrientationEnum

Super-types:	xs:string < ParkingRouteOrientationEnum (by restriction) < **_ParkingRouteOrientationEnum** (by extension)
Sub-types:	None

Name _ParkingRouteOrientationEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  prk:ParkingRouteOrientationEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingRouteOrientationEnum">
  <xs:simpleContent>
    <xs:extension base="prk:ParkingRouteOrientationEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ParkingRouteTypeEnum

Super-types:	xs:string < ParkingRouteTypeEnum (by restriction) < **_ParkingRouteTypeEnum** (by extension)
Sub-types:	None

Name	_ParkingRouteTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:ParkingRouteTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingRouteTypeEnum">
   <xs:simpleContent>
      <xs:extension base="prk:ParkingRouteTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ParkingSafetyEnum

Super-types:	xs:string < ParkingSafetyEnum (by restriction) < **_ParkingSafetyEnum** (by extension)
Sub-types:	None

Name	_ParkingSafetyEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:ParkingSafetyEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingSafetyEnum">
   <xs:simpleContent>
      <xs:extension base="prk:ParkingSafetyEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ParkingSecurityEnum

Super-types:	xs:string < ParkingSecurityEnum (by restriction) < **_ParkingSecurityEnum** (by extension)
Sub-types:	None

Name	_ParkingSecurityEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:ParkingSecurityEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingSecurityEnum">
   <xs:simpleContent>
      <xs:extension base="prk:ParkingSecurityEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ParkingSpaceConvenienceEnum

Super-types:	xs:string < ParkingSpaceConvenienceEnum (by restriction) < **_ParkingSpaceConvenienceEnum** (by extension)
Sub-types:	None

Name	_ParkingSpaceConvenienceEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:ParkingSpaceConvenienceEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingSpaceConvenienceEnum">
   <xs:simpleContent>
      <xs:extension base="prk:ParkingSpaceConvenienceEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ParkingSpaceOccupancyDetectionEnum

Super-types:	xs:string < ParkingSpaceOccupancyDetectionEnum (by restriction) < **_ParkingSpaceOccupancyDetectionEnum** (by extension)
Sub-types:	None

Name	_ParkingSpaceOccupancyDetectionEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:ParkingSpaceOccupancyDetectionEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingSpaceOccupancyDetectionEnum">
   <xs:simpleContent>
      <xs:extension base="prk:ParkingSpaceOccupancyDetectionEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ParkingStructuralCharacteristicsEnum

Super-types:	xs:string < ParkingStructuralCharacteristicsEnum (by restriction) < **_ParkingStructuralCharacteristicsEnum** (by extension)
Sub-types:	None

Name	_ParkingStructuralCharacteristicsEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:ParkingStructuralCharacteristicsEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingStructuralCharacteristicsEnum">
   <xs:simpleContent>
      <xs:extension base="prk:ParkingStructuralCharacteristicsEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ParkingSupervisionEnum

Super-types:	xs:string < ParkingSupervisionEnum (by restriction) < **_ParkingSupervisionEnum** (by extension)
Sub-types:	None

Name	_ParkingSupervisionEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:ParkingSupervisionEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingSupervisionEnum">
   <xs:simpleContent>
      <xs:extension base="prk:ParkingSupervisionEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
```

```
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ParkingTableVersionedReference

Super-types:	com:VersionedReference < **_ParkingTableVersionedReference** (by extension)
Sub-types:	None

Name	_ParkingTableVersionedReference
Abstract	no

XML Instance Representation

```
<...
 targetClass="prk:ParkingTable [1]">
  <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
  missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingTableVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="prk:ParkingTable"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: _ParkingUsageScenarioEnum

Super-types:	xs:string < ParkingUsageScenarioEnum (by restriction) < **_ParkingUsageScenarioEnum** (by extension)
Sub-types:	None

Name	_ParkingUsageScenarioEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  prk:ParkingUsageScenarioEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingUsageScenarioEnum">
  <xs:simpleContent>
    <xs:extension base="prk:ParkingUsageScenarioEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ParkingVacantSpacesEnum

Super-types:	xs:string < ParkingVacantSpacesEnum (by restriction) < **_ParkingVacantSpacesEnum** (by extension)
Sub-types:	None

Name	_ParkingVacantSpacesEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
  prk:ParkingVacantSpacesEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingVacantSpacesEnum">
  <xs:simpleContent>
    <xs:extension base="prk:ParkingVacantSpacesEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _PublicTransportTypeEnum

Super-types:	xs:string < PublicTransportTypeEnum (by restriction) < **_PublicTransportTypeEnum** (by extension)

Sub-types:	None

Name _PublicTransportTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:PublicTransportTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_PublicTransportTypeEnum">
   <xs:simpleContent>
      <xs:extension base="prk:PublicTransportTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _PublicTransportVehicleType

Super-types:	xs:string < PublicTransportVehicleType (by restriction) < **_PublicTransportVehicleType** (by extension)
Sub-types:	None

Name _PublicTransportVehicleType

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:PublicTransportVehicleType
</...>
```

Schema Component Representation

```
<xs:complexType name="_PublicTransportVehicleType">
   <xs:simpleContent>
      <xs:extension base="prk:PublicTransportVehicleType">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _RegulationEnum

Super-types:	xs:string < RegulationEnum (by restriction) < **_RegulationEnum** (by extension)
Sub-types:	None

Name _RegulationEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:RegulationEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_RegulationEnum">
   <xs:simpleContent>
      <xs:extension base="prk:RegulationEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _RoadTypeEnum

Super-types:	xs:string < RoadTypeEnum (by restriction) < **_RoadTypeEnum** (by extension)
Sub-types:	None

Name _RoadTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:RoadTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_RoadTypeEnum">
   <xs:simpleContent>
      <xs:extension base="prk:RoadTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _SessionActivationModeEnum

Super-types:	xs:string < SessionActivationModeEnum (by restriction) < **_SessionActivationModeEnum** (by extension)
Sub-types:	None

Name	_SessionActivationModeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:SessionActivationModeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_SessionActivationModeEnum">
   <xs:simpleContent>
      <xs:extension base="prk:SessionActivationModeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _SpecialLocationEnum

Super-types:	xs:string < SpecialLocationEnum (by restriction) < **_SpecialLocationEnum** (by extension)
Sub-types:	None

Name	_SpecialLocationEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:SpecialLocationEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_SpecialLocationEnum">
   <xs:simpleContent>
      <xs:extension base="prk:SpecialLocationEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _StaffEnum

Super-types:	xs:string < StaffEnum (by restriction) < **_StaffEnum** (by extension)
Sub-types:	None

Name	_StaffEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:StaffEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_StaffEnum">
   <xs:simpleContent>
      <xs:extension base="prk:StaffEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _StructureGradeEnum

Super-types:	xs:string < StructureGradeEnum (by restriction) < **_StructureGradeEnum** (by extension)
Sub-types:	None

Name	_StructureGradeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:StructureGradeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_StructureGradeEnum">
   <xs:simpleContent>
      <xs:extension base="prk:StructureGradeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _StructureTypeEnum

Super-types:	xs:string < StructureTypeEnum (by restriction) < **_StructureTypeEnum** (by extension)
Sub-types:	None

Name	_StructureTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:StructureTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_StructureTypeEnum">
   <xs:simpleContent>
      <xs:extension base="prk:StructureTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _SupplyViewTypeEnum

Super-types:	xs:string < SupplyViewTypeEnum (by restriction) < **_SupplyViewTypeEnum** (by extension)
Sub-types:	None

Name	_SupplyViewTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:SupplyViewTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_SupplyViewTypeEnum">
   <xs:simpleContent>
      <xs:extension base="prk:SupplyViewTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _TruckParkingDynamicManagementEnum

Super-types:	xs:string < TruckParkingDynamicManagementEnum (by restriction) < **_TruckParkingDynamicManagementEnum** (by extension)
Sub-types:	None

Name	_TruckParkingDynamicManagementEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   prk:TruckParkingDynamicManagementEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_TruckParkingDynamicManagementEnum">
   <xs:simpleContent>
      <xs:extension base="prk:TruckParkingDynamicManagementEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _VmsControllerVersionedReference

Super-types:	com:VersionedReference < **_VmsControllerVersionedReference** (by extension)
Sub-types:	None

Name	_VmsControllerVersionedReference
Abstract	no

XML Instance Representation

```
<...
 targetClass="vms:VmsController [1]">
   <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
   missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_VmsControllerVersionedReference">
   <xs:complexContent>
      <xs:extension base="com:VersionedReference">
         <xs:attribute name="targetClass" type="xs:string" use="required" fixed="vms:VmsController"/>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Simple Type: ActivityEnum

Super-types:	xs:string < **ActivityEnum** (by restriction)
Sub-types:	• _ActivityEnum (by extension)

Name	ActivityEnum
Content	• Base XSD Type: string • *value* comes from list: {'openFire'|'overnightParking'|'picnic'|'smoking'|'camping'|'handlingHazardousMaterial'|'barbecue'|'other'|'_extended'}
Documentation	Collection of activities, for example in the context of rest areas.

Schema Component Representation

```
<xs:simpleType name="ActivityEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="openFire"/>
      <xs:enumeration value="overnightParking"/>
      <xs:enumeration value="picnic"/>
      <xs:enumeration value="smoking"/>
      <xs:enumeration value="camping"/>
      <xs:enumeration value="handlingHazardousMaterial"/>
      <xs:enumeration value="barbecue"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: CalculationTypeEnum

Super-types:	xs:string < **CalculationTypeEnum** (by restriction)
Sub-types:	• _CalculationTypeEnum (by extension)

Name	CalculationTypeEnum
Content	• Base XSD Type: string • *value* comes from list: {'counted'|'derived'|'expected'|'verified'|'_extended'}
Documentation	A list of the supported calculation types for demand.

Schema Component Representation

```
<xs:simpleType name="CalculationTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="counted"/>
    <xs:enumeration value="derived"/>
    <xs:enumeration value="expected"/>
    <xs:enumeration value="verified"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: CampusStatusEnum

Super-types: xs:string < **CampusStatusEnum** (by restriction)

Sub-types:
- _CampusStatusEnum (by extension)

Name CampusStatusEnum

Content
- Base XSD Type: string
- *value* comes from list: {'allParkingsFull'|'multiStoreyParkingsFull'|'noMoreParkingSpacesAvailable'|'enoughSpacesAvailable'|'unknown'|'other'|'_extended'}

Documentation The status for multiple parking objects (available spaces or not).

Schema Component Representation

```
<xs:simpleType name="CampusStatusEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="allParkingsFull"/>
    <xs:enumeration value="multiStoreyParkingsFull"/>
    <xs:enumeration value="noMoreParkingSpacesAvailable"/>
    <xs:enumeration value="enoughSpacesAvailable"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: CoveredEnum

Super-types: xs:string < **CoveredEnum** (by restriction)

Sub-types:
- _CoveredEnum (by extension)

Name CoveredEnum

Content
- Base XSD Type: string
- *value* comes from list: {'covered'|'notCovered'|'partiallyCovered'|'topLevelNotCovered'|'_extended'}

Documentation Defines the supported lists of different types describing roof coverage of the facility or entity

Schema Component Representation

```
<xs:simpleType name="CoveredEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="covered"/>
    <xs:enumeration value="notCovered"/>
    <xs:enumeration value="partiallyCovered"/>
    <xs:enumeration value="topLevelNotCovered"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: EsporgStandardLevelEnum

Super-types: xs:string < **EsporgStandardLevelEnum** (by restriction)

Sub-types:
- _EsporgStandardLevelEnum (by extension)

Name EsporgStandardLevelEnum

Content
- Base XSD Type: string
- *value* comes from list: {'bronze'|'silver'|'gold'|'platinum'|'_extended'}

Documentation Classification according to the technical specifications of the European secure parking organisation.

Schema Component Representation

```
<xs:simpleType name="EsporgStandardLevelEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="bronze"/>
    <xs:enumeration value="silver"/>
    <xs:enumeration value="gold"/>
    <xs:enumeration value="platinum"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
```

```
</xs:simpleType>
```

top

Simple Type: HierarchyElementTypeEnum

Super-types:	xs:string < **HierarchyElementTypeEnum** (by restriction)
Sub-types:	• _HierarchyElementTypeEnum (by extension)

Name HierarchyElementTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'campus'|'place'|'subplaceElement'|'identifiedArea'|'space'|'_extended'}

Documentation Defines the supported lists of types of parking hierarchy elements permissible

Schema Component Representation

```
<xs:simpleType name="HierarchyElementTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="campus"/>
    <xs:enumeration value="place"/>
    <xs:enumeration value="subplaceElement"/>
    <xs:enumeration value="identifiedArea"/>
    <xs:enumeration value="space"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: LayoutEnum

Super-types:	xs:string < **LayoutEnum** (by restriction)
Sub-types:	• _LayoutEnum (by extension)

Name LayoutEnum

Content

- Base XSD Type: string
- *value* comes from list: {'layBy'|'openSpace'|'nested'|'field'|'building'|'_extended'}

Documentation Types of layout of this (parking) place.

Schema Component Representation

```
<xs:simpleType name="LayoutEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="layBy"/>
    <xs:enumeration value="openSpace"/>
    <xs:enumeration value="nested"/>
    <xs:enumeration value="field"/>
    <xs:enumeration value="building"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: OperatingRestrictionsEnum

Super-types:	xs:string < **OperatingRestrictionsEnum** (by restriction)
Sub-types:	• _OperatingRestrictionsEnum (by extension)

Name OperatingRestrictionsEnum

Content

- Base XSD Type: string
- *value* comes from list: {'carpoolOnly'|'commercialVehicleOnly'|'freeParking'|'busOnly'|'busStop'|'disabledPersonPermitOnly'|'electricVehicleOnly'|'governmentVehicleOnly'|'lo

Documentation Defines operating restrictions to use the of a facility.

Schema Component Representation

```
<xs:simpleType name="OperatingRestrictionsEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="carpoolOnly"/>
    <xs:enumeration value="commercialVehicleOnly"/>
    <xs:enumeration value="freeParking"/>
    <xs:enumeration value="busOnly"/>
    <xs:enumeration value="busStop"/>
    <xs:enumeration value="disabledPersonPermitOnly"/>
    <xs:enumeration value="electricVehicleOnly"/>
    <xs:enumeration value="governmentVehicleOnly"/>
    <xs:enumeration value="loadingZone"/>
    <xs:enumeration value="loadingZoneCommercial"/>
    <xs:enumeration value="media"/>
    <xs:enumeration value="residentialPermitOnly"/>
    <xs:enumeration value="snow"/>
    <xs:enumeration value="streetCleaning"/>
```

```
      <xs:enumeration value="parkingTimeLimit"/>
      <xs:enumeration value="taxiOnly"/>
      <xs:enumeration value="valetOnly"/>
      <xs:enumeration value="noParking"/>
      <xs:enumeration value="noWaiting"/>
      <xs:enumeration value="temporaryParking"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ParkingConditionsEnum

Super-types: xs:string < **ParkingConditionsEnum** (by restriction)

Sub-types:
- _ParkingConditionsEnum (by extension)

Name ParkingConditionsEnum

Content
- Base XSD Type: string
- *value* comes from list: {'normalParkingConditionsSuspended'|'specialParkingConditionsInForce'|'other'|'_extended'}

Documentation Defines if normal parking conditions are suspended or special parking conditions are in force.

Schema Component Representation

```
<xs:simpleType name="ParkingConditionsEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="normalParkingConditionsSuspended"/>
      <xs:enumeration value="specialParkingConditionsInForce"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ParkingFaultEnum

Super-types: xs:string < **ParkingFaultEnum** (by restriction)

Sub-types:
- _ParkingFaultEnum (by extension)

Name ParkingFaultEnum

Content
- Base XSD Type: string
- *value* comes from list: {'communicationsFailure'|'barrierMalfunction'|'entranceExitObstructed'|'erroneousOccupancyInformation'|'erroneousOccupancyDisplayed'|'paymentM

Documentation Types of parking site or access faults.

Schema Component Representation

```
<xs:simpleType name="ParkingFaultEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="communicationsFailure"/>
      <xs:enumeration value="barrierMalfunction"/>
      <xs:enumeration value="entranceExitObstructed"/>
      <xs:enumeration value="erroneousOccupancyInformation"/>
      <xs:enumeration value="erroneousOccupancyDisplayed"/>
      <xs:enumeration value="paymentMachinesInoperative"/>
      <xs:enumeration value="reservationServiceOutOfOrder"/>
      <xs:enumeration value="noParkingInformationAvailable"/>
      <xs:enumeration value="unspecified"/>
      <xs:enumeration value="unknown"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ParkingModeEnum

Super-types: xs:string < **ParkingModeEnum** (by restriction)

Sub-types:
- _ParkingModeEnum (by extension)

Name ParkingModeEnum

Content
- Base XSD Type: string
- *value* comes from list: {'perpendicularParking'|'parallelParking'|'echelonParking'|'parkingOnOppositeSideOfRoad'|'other'|'_extended'}

Documentation The arrangement of the parking space or the group of parking spaces in relation to the road.

Schema Component Representation

```
<xs:simpleType name="ParkingModeEnum">
   <xs:restriction base="xs:string">
```

```
      <xs:enumeration value="perpendicularParking"/>
      <xs:enumeration value="parallelParking"/>
      <xs:enumeration value="echelonParking"/>
      <xs:enumeration value="parkingOnOppositeSideOfRoad"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ParkingOccupancyEnum

Super-types:	xs:string < **ParkingOccupancyEnum** (by restriction)
Sub-types:	• _ParkingOccupancyEnum (by extension)

Name ParkingOccupancyEnum

Content

- Base XSD Type: string
- *value* comes from list: {'expectCarParkToBeFull'|'percentage10'|'percentage20'|'percentage30'|'percentage40'|'percentage50'|'percentage60'|'percentage70'|'percentage80'|

Documentation Parking Occupancy enum.

Schema Component Representation

```
<xs:simpleType name="ParkingOccupancyEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="expectCarParkToBeFull"/>
      <xs:enumeration value="percentage10"/>
      <xs:enumeration value="percentage20"/>
      <xs:enumeration value="percentage30"/>
      <xs:enumeration value="percentage40"/>
      <xs:enumeration value="percentage50"/>
      <xs:enumeration value="percentage60"/>
      <xs:enumeration value="percentage70"/>
      <xs:enumeration value="percentage80"/>
      <xs:enumeration value="percentage90"/>
      <xs:enumeration value="full"/>
      <xs:enumeration value="unknown"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ParkingOccupancyTrendEnum

Super-types:	xs:string < **ParkingOccupancyTrendEnum** (by restriction)
Sub-types:	• _ParkingOccupancyTrendEnum (by extension)

Name ParkingOccupancyTrendEnum

Content

- Base XSD Type: string
- *value* comes from list: {'decreasing'|'increasing'|'stable'|'increasingQuickly'|'increasingSlowly'|'decreasingQuickly'|'decreasingSlowly'|'unknown'|'other'|'_extended'}

Documentation List of terms used to describe the trend in parking space occupancy.

Schema Component Representation

```
<xs:simpleType name="ParkingOccupancyTrendEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="decreasing"/>
      <xs:enumeration value="increasing"/>
      <xs:enumeration value="stable"/>
      <xs:enumeration value="increasingQuickly"/>
      <xs:enumeration value="increasingSlowly"/>
      <xs:enumeration value="decreasingQuickly"/>
      <xs:enumeration value="decreasingSlowly"/>
      <xs:enumeration value="unknown"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ParkingPlaceStatusEnum

Super-types:	xs:string < **ParkingPlaceStatusEnum** (by restriction)
Sub-types:	• _ParkingPlaceStatusEnum (by extension)

Name ParkingPlaceStatusEnum

Content

- Base XSD Type: string
- *value* comes from list: {'full'|'fullAtEntrance'|'spacesAvailable'|'almostFull'|'overcrowding'|'overcrowdingLevel1'|'overcrowdingLevel2'|'noOvercrowding'|'unknown'|'other'|'_ext

Documentation The status of the parking place or sub-places (spaces available or not).

Schema Component Representation

```
<xs:simpleType name="ParkingPlaceStatusEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="full"/>
    <xs:enumeration value="fullAtEntrance"/>
    <xs:enumeration value="spacesAvailable"/>
    <xs:enumeration value="almostFull"/>
    <xs:enumeration value="overcrowding"/>
    <xs:enumeration value="overcrowdingLevel1"/>
    <xs:enumeration value="overcrowdingLevel2"/>
    <xs:enumeration value="noOvercrowding"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ParkingRouteOrientationEnum

Super-types: xs:string < **ParkingRouteOrientationEnum** (by restriction)

Sub-types:
- _ParkingRouteOrientationEnum (by extension)

Name ParkingRouteOrientationEnum

Content
- Base XSD Type: string
- *value* comes from list: {'towardsParkingSite'|'awayFromParkingSite'|'_extended'}

Documentation Orientation of traffic for a parking route.

Schema Component Representation

```
<xs:simpleType name="ParkingRouteOrientationEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="towardsParkingSite"/>
    <xs:enumeration value="awayFromParkingSite"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ParkingRouteTypeEnum

Super-types: xs:string < **ParkingRouteTypeEnum** (by restriction)

Sub-types:
- _ParkingRouteTypeEnum (by extension)

Name ParkingRouteTypeEnum

Content
- Base XSD Type: string
- *value* comes from list: {'pedestrian'|'bicycle'|'lorry'|'other'|'_extended'}

Documentation The type of the parking route.

Schema Component Representation

```
<xs:simpleType name="ParkingRouteTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="pedestrian"/>
    <xs:enumeration value="bicycle"/>
    <xs:enumeration value="lorry"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ParkingSafetyEnum

Super-types: xs:string < **ParkingSafetyEnum** (by restriction)

Sub-types:
- _ParkingSafetyEnum (by extension)

Name ParkingSafetyEnum

Content
- Base XSD Type: string
- *value* comes from list: {'pedestrianSafety'|'clearSafetySigns'|'safeDecelerationAndAcceleration'|'clearDistinctionCarsHGV'|'emergencySafety'|'seperatedDangerousGood'|'_

Documentation Safety requirements for truck parking sites according to European Secure Parking Organisation.

Schema Component Representation

```
<xs:simpleType name="ParkingSafetyEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="pedestrianSafety"/>
```

```
      <xs:enumeration value="clearSafetySigns"/>
      <xs:enumeration value="safeDecelerationAndAcceleration"/>
      <xs:enumeration value="clearDistinctionCarsHGV"/>
      <xs:enumeration value="emergencySafety"/>
      <xs:enumeration value="seperatedDangerousGood"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ParkingSecurityEnum

Super-types:	xs:string < **ParkingSecurityEnum** (by restriction)
Sub-types:	• _ParkingSecurityEnum (by extension)

Name ParkingSecurityEnum

Content

- Base XSD Type: string
- *value* comes from list: {'socialControl'|'securityStaff'|'externalSecurity'|'cctv'|'dog'|'guard24hours'|'lighting'|'floodLight'|'fences'|'areaSeperatedFromSurroundings'|'none'|'unkn

Documentation Specifies security measures related to the parking site or particular spaces.

Schema Component Representation

```
<xs:simpleType name="ParkingSecurityEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="socialControl"/>
      <xs:enumeration value="securityStaff"/>
      <xs:enumeration value="externalSecurity"/>
      <xs:enumeration value="cctv"/>
      <xs:enumeration value="dog"/>
      <xs:enumeration value="guard24hours"/>
      <xs:enumeration value="lighting"/>
      <xs:enumeration value="floodLight"/>
      <xs:enumeration value="fences"/>
      <xs:enumeration value="areaSeperatedFromSurroundings"/>
      <xs:enumeration value="none"/>
      <xs:enumeration value="unknown"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ParkingSpaceConvenienceEnum

Super-types:	xs:string < **ParkingSpaceConvenienceEnum** (by restriction)
Sub-types:	• _ParkingSpaceConvenienceEnum (by extension)

Name ParkingSpaceConvenienceEnum

Content

- Base XSD Type: string
- *value* comes from list: {'extraSpaceLeftSide'|'extraSpaceRightSide'|'nearbyPedestrianExit'|'bordersMarked'|'other'|'_extended'}

Documentation Facilities for persons with disabilities.

Schema Component Representation

```
<xs:simpleType name="ParkingSpaceConvenienceEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="extraSpaceLeftSide"/>
      <xs:enumeration value="extraSpaceRightSide"/>
      <xs:enumeration value="nearbyPedestrianExit"/>
      <xs:enumeration value="bordersMarked"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ParkingSpaceOccupancyDetectionEnum

Super-types:	xs:string < **ParkingSpaceOccupancyDetectionEnum** (by restriction)
Sub-types:	• _ParkingSpaceOccupancyDetectionEnum (by extension)

Name ParkingSpaceOccupancyDetectionEnum

Content

- Base XSD Type: string
- *value* comes from list: {'visual'|'anpr'|'imageAnalytics'|'videoAnalytics'|'videoSpace'|'spaceSensor'|'userDeclaration'|'balancing'|'modelBased'|'none'|'unknown'|'other'|'_exten

Documentation A list of supported methods for detection of occupancy by a vehicle in a parking space.

Schema Component Representation

```
<xs:simpleType name="ParkingSpaceOccupancyDetectionEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="visual"/>
    <xs:enumeration value="anpr"/>
    <xs:enumeration value="imageAnalytics"/>
    <xs:enumeration value="videoAnalytics"/>
    <xs:enumeration value="videoSpace"/>
    <xs:enumeration value="spaceSensor"/>
    <xs:enumeration value="userDeclaration"/>
    <xs:enumeration value="balancing"/>
    <xs:enumeration value="modelBased"/>
    <xs:enumeration value="none"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ParkingStructuralCharacteristicsEnum

Super-types: xs:string < **ParkingStructuralCharacteristicsEnum** (by restriction)

Sub-types:
- _ParkingStructuralCharacteristicsEnum (by extension)

Name ParkingStructuralCharacteristicsEnum

Content
- Base XSD Type: string
- *value* comes from list: {'driveThrough'|'openAir'|'evenSurface'|'kerbside'|'softShoulder'|'_extended'}

Documentation Specifies some structural characteristics of a parking space or a group of parking spaces.

Schema Component Representation

```
<xs:simpleType name="ParkingStructuralCharacteristicsEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="driveThrough"/>
    <xs:enumeration value="openAir"/>
    <xs:enumeration value="evenSurface"/>
    <xs:enumeration value="kerbside"/>
    <xs:enumeration value="softShoulder"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ParkingSupervisionEnum

Super-types: xs:string < **ParkingSupervisionEnum** (by restriction)

Sub-types:
- _ParkingSupervisionEnum (by extension)

Name ParkingSupervisionEnum

Content
- Base XSD Type: string
- *value* comes from list: {'remote'|'onSite'|'controlCentreOnSite'|'controlCentreOffSite'|'patrol'|'none'|'unknown'|'other'|'_extended'}

Documentation Defines the kind of supervision of the parking site.

Schema Component Representation

```
<xs:simpleType name="ParkingSupervisionEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="remote"/>
    <xs:enumeration value="onSite"/>
    <xs:enumeration value="controlCentreOnSite"/>
    <xs:enumeration value="controlCentreOffSite"/>
    <xs:enumeration value="patrol"/>
    <xs:enumeration value="none"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ParkingUsageScenarioEnum

Super-types: xs:string < **ParkingUsageScenarioEnum** (by restriction)

Sub-types:
- _ParkingUsageScenarioEnum (by extension)

Name ParkingUsageScenarioEnum

Content
- Base XSD Type: string
- *value* comes from list: {'automatedParkingGarage'|'carSharing'|'delivery'|'dropOff'|'dropOffMechanical'|'dropOffWithValet'|'eventParking'|'guidanceToAvailableSpaces'|'kissA

Documentation Types of parking usage (park & ride, kiss & ride, ...)

Schema Component Representation

```
<xs:simpleType name="ParkingUsageScenarioEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="automatedParkingGarage"/>
    <xs:enumeration value="carSharing"/>
    <xs:enumeration value="delivery"/>
    <xs:enumeration value="dropOff"/>
    <xs:enumeration value="dropOffMechanical"/>
    <xs:enumeration value="dropOffWithValet"/>
    <xs:enumeration value="eventParking"/>
    <xs:enumeration value="guidanceToAvailableSpaces"/>
    <xs:enumeration value="kissAndRide"/>
    <xs:enumeration value="liftshare"/>
    <xs:enumeration value="motorwayParking"/>
    <xs:enumeration value="nearbyMotorwayParking"/>
    <xs:enumeration value="overnightParking"/>
    <xs:enumeration value="parkAndCycle"/>
    <xs:enumeration value="parkAndDrive"/>
    <xs:enumeration value="parkAndRide"/>
    <xs:enumeration value="parkAndWalk"/>
    <xs:enumeration value="poiParking"/>
    <xs:enumeration value="restArea"/>
    <xs:enumeration value="serviceArea"/>
    <xs:enumeration value="specialLocation"/>
    <xs:enumeration value="staffGuidesToSpace"/>
    <xs:enumeration value="truckParking"/>
    <xs:enumeration value="vehicleLift"/>
    <xs:enumeration value="zone"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ParkingVacantSpacesEnum

Super-types: xs:string < **ParkingVacantSpacesEnum** (by restriction)

Sub-types:
- _ParkingVacantSpacesEnum (by extension)

Name ParkingVacantSpacesEnum

Content
- Base XSD Type: string
- *value* comes from list: {'noParkingSpacesAvailable'|'expectNoSpacesAvailable'|'onlyAFewSpacesAvailable'|'lessThan10SpacesAvailable'|'lessThan20SpacesAvailable'|'less

Documentation Parking vacant spaces enum.

Schema Component Representation

```
<xs:simpleType name="ParkingVacantSpacesEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="noParkingSpacesAvailable"/>
    <xs:enumeration value="expectNoSpacesAvailable"/>
    <xs:enumeration value="onlyAFewSpacesAvailable"/>
    <xs:enumeration value="lessThan10SpacesAvailable"/>
    <xs:enumeration value="lessThan20SpacesAvailable"/>
    <xs:enumeration value="lessThan30SpacesAvailable"/>
    <xs:enumeration value="lessThan40SpacesAvailable"/>
    <xs:enumeration value="lessThan50SpacesAvailable"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: PublicTransportTypeEnum

Super-types: xs:string < **PublicTransportTypeEnum** (by restriction)

Sub-types:
- _PublicTransportTypeEnum (by extension)

Name PublicTransportTypeEnum

Content
- Base XSD Type: string
- *value* comes from list: {'freePublicTransport'|'nonFreePublicTransport'|'onDemandTraffic'|'railReplacementService'|'shuttleService'|'_extended'}

Documentation Special measures in the context of public transport.

Schema Component Representation

```
<xs:simpleType name="PublicTransportTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="freePublicTransport"/>
    <xs:enumeration value="nonFreePublicTransport"/>
    <xs:enumeration value="onDemandTraffic"/>
    <xs:enumeration value="railReplacementService"/>
    <xs:enumeration value="shuttleService"/>
    <xs:enumeration value="_extended"/>
```

```
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: PublicTransportVehicleType

Super-types:	xs:string < **PublicTransportVehicleType** (by restriction)
Sub-types:	• _PublicTransportVehicleType (by extension)

Name PublicTransportVehicleType

Content

- Base XSD Type: string
- *value* comes from list: {'bus'|'coach'|'miniBus'|'subway'|'taxi'|'train'|'tram'|'_extended'}

Documentation Types of public transport vehicles

Schema Component Representation

```
<xs:simpleType name="PublicTransportVehicleType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="bus"/>
    <xs:enumeration value="coach"/>
    <xs:enumeration value="miniBus"/>
    <xs:enumeration value="subway"/>
    <xs:enumeration value="taxi"/>
    <xs:enumeration value="train"/>
    <xs:enumeration value="tram"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: RegulationEnum

Super-types:	xs:string < **RegulationEnum** (by restriction)
Sub-types:	• _RegulationEnum (by extension)

Name RegulationEnum

Content

- Base XSD Type: string
- *value* comes from list: {'permitted'|'prohibited'|'punishable'|'seasonalHeterogeneous'|'permittedOnlyAtParticularTimes'|'permittedOnlyOnParticularAreas'|'prohibitedAtParticu

Documentation Regulation parameters for actions.

Schema Component Representation

```
<xs:simpleType name="RegulationEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="permitted"/>
    <xs:enumeration value="prohibited"/>
    <xs:enumeration value="punishable"/>
    <xs:enumeration value="seasonalHeterogeneous"/>
    <xs:enumeration value="permittedOnlyAtParticularTimes"/>
    <xs:enumeration value="permittedOnlyOnParticularAreas"/>
    <xs:enumeration value="prohibitedAtParticularTimes"/>
    <xs:enumeration value="prohibitedOnParticularAreas"/>
    <xs:enumeration value="onlyOnRequest"/>
    <xs:enumeration value="heterogeneous"/>
    <xs:enumeration value="onlyOutsideBuildings"/>
    <xs:enumeration value="onlyInsideBuildings"/>
    <xs:enumeration value="unspecified"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: RoadTypeEnum

Super-types:	xs:string < **RoadTypeEnum** (by restriction)
Sub-types:	• _RoadTypeEnum (by extension)

Name RoadTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'motorway'|'trunkRoad'|'mainRoad'|'other'|'_extended'}

Documentation Categorisation of the road type (motorway,main road,...).

Schema Component Representation

```
<xs:simpleType name="RoadTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="motorway"/>
```

```
      <xs:enumeration value="trunkRoad"/>
      <xs:enumeration value="mainRoad"/>
      <xs:enumeration value="other"/>
      <xs:enumeration value="_extended"/>
    </xs:restriction>
</xs:simpleType>
```

top

Simple Type: SessionActivationModeEnum

Super-types: xs:string < **SessionActivationModeEnum** (by restriction)

Sub-types:
- _SessionActivationModeEnum (by extension)

Name SessionActivationModeEnum

Content
- Base XSD Type: string
- *value* comes from list: {'payByPlate'|'payBySpace'|'payAndDisplay'|'ticket'|'permit'|'app'|'_extended'}

Documentation Modes or credentials that can be used to activate a parking session or other operation (delivery, loading, etc).

Schema Component Representation

```
<xs:simpleType name="SessionActivationModeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="payByPlate"/>
    <xs:enumeration value="payBySpace"/>
    <xs:enumeration value="payAndDisplay"/>
    <xs:enumeration value="ticket"/>
    <xs:enumeration value="permit"/>
    <xs:enumeration value="app"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: SpecialLocationEnum

Super-types: xs:string < **SpecialLocationEnum** (by restriction)

Sub-types:
- _SpecialLocationEnum (by extension)

Name SpecialLocationEnum

Content
- Base XSD Type: string
- *value* comes from list: {'airportTerminal'|'exhibitonCentre'|'shoppingCentre'|'specificFacility'|'trainStation'|'campGround'|'themePark'|'ferryTerminal'|'vehicleOnRailTerminal'|'c

Documentation Types of locations, often associated with some building.

Schema Component Representation

```
<xs:simpleType name="SpecialLocationEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="airportTerminal"/>
    <xs:enumeration value="exhibitonCentre"/>
    <xs:enumeration value="shoppingCentre"/>
    <xs:enumeration value="specificFacility"/>
    <xs:enumeration value="trainStation"/>
    <xs:enumeration value="campGround"/>
    <xs:enumeration value="themePark"/>
    <xs:enumeration value="ferryTerminal"/>
    <xs:enumeration value="vehicleOnRailTerminal"/>
    <xs:enumeration value="coachStation"/>
    <xs:enumeration value="cableCarStation"/>
    <xs:enumeration value="publicTransportStation"/>
    <xs:enumeration value="market"/>
    <xs:enumeration value="religiousCentre"/>
    <xs:enumeration value="conventionCentre"/>
    <xs:enumeration value="cinema"/>
    <xs:enumeration value="skiLift"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: StaffEnum

Super-types: xs:string < **StaffEnum** (by restriction)

Sub-types:
- _StaffEnum (by extension)

Name StaffEnum

Content
- Base XSD Type: string
- *value* comes from list: {'staffed'|'unstaffed'|'temporary'|'_extended'}

Documentation A list of supported values for staffing characteristics.

Schema Component Representation

```
<xs:simpleType name="StaffEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="staffed"/>
      <xs:enumeration value="unstaffed"/>
      <xs:enumeration value="temporary"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: StructureGradeEnum

Super-types: xs:string < **StructureGradeEnum** (by restriction)

Sub-types:
- _StructureGradeEnum (by extension)

Name StructureGradeEnum

Content
- Base XSD Type: string
- *value* comes from list: {'underground'|'groundLevel'|'aboveGround'|'_extended'}

Documentation Types of layout of the parking site.

Schema Component Representation

```
<xs:simpleType name="StructureGradeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="underground"/>
      <xs:enumeration value="groundLevel"/>
      <xs:enumeration value="aboveGround"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: StructureTypeEnum

Super-types: xs:string < **StructureTypeEnum** (by restriction)

Sub-types:
- _StructureTypeEnum (by extension)

Name StructureTypeEnum

Content
- Base XSD Type: string
- *value* comes from list: {'onStreet'|'offStreetSurface'|'offStreetStructure'|'_extended'}

Documentation A list of types of parking structure.

Schema Component Representation

```
<xs:simpleType name="StructureTypeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="onStreet"/>
      <xs:enumeration value="offStreetSurface"/>
      <xs:enumeration value="offStreetStructure"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: SupplyViewTypeEnum

Super-types: xs:string < **SupplyViewTypeEnum** (by restriction)

Sub-types:
- _SupplyViewTypeEnum (by extension)

Name SupplyViewTypeEnum

Content
- Base XSD Type: string
- *value* comes from list: {'spaceView'|'vehicleView'|'_extended'}

Documentation Define if space quantity is demarcated or estimated.

Schema Component Representation

```
<xs:simpleType name="SupplyViewTypeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="spaceView"/>
      <xs:enumeration value="vehicleView"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: TruckParkingDynamicManagementEnum

Super-types:	xs:string < **TruckParkingDynamicManagementEnum** (by restriction)
Sub-types:	• _TruckParkingDynamicManagementEnum (by extension)

Name	TruckParkingDynamicManagementEnum
Content	• Base XSD Type: string • *value* comes from list: {'compactParking'|'queueParking'|'noDynamicParkingManagement'|'other'|'_extended'}
Documentation	Dynamic parking mode enum.

Schema Component Representation

```
<xs:simpleType name="TruckParkingDynamicManagementEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="compactParking"/>
    <xs:enumeration value="queueParking"/>
    <xs:enumeration value="noDynamicParkingManagement"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

DATEXII_3_RoadTrafficData

Table of Contents

top

Schema Document Properties

Target Namespace	**http://datex2.eu/schema/3/roadTrafficData**
Version	3.3
Element and Attribute Namespaces	• Global element and attribute declarations belong to this schema's target namespace. • By default, local element declarations belong to this schema's target namespace. • By default, local attribute declarations have no namespace.

Schema Composition	• This schema imports schema(s) from the following namespace(s):
	  ◦ *http://datex2.eu/schema/3/locationReferencing* (at DATEXII_3_LocationReferencing.xsd)
	  ◦ *http://datex2.eu/schema/3/common* (at DATEXII_3_Common.xsd)

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace
xs	http://www.w3.org/2001/XMLSchema
loc	http://datex2.eu/schema/3/locationReferencing
com	http://datex2.eu/schema/3/common
roa	**http://datex2.eu/schema/3/roadTrafficData**

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified"
version="3.3" targetNamespace="http://datex2.eu/schema/3/roadTrafficData">
   <xs:import namespace="http://datex2.eu/schema/3/locationReferencing"
   schemaLocation="DATEXII_3_LocationReferencing.xsd"/>
   <xs:import namespace="http://datex2.eu/schema/3/common"
   schemaLocation="DATEXII_3_Common.xsd"/>
   ...
</xs:schema>
```

top

Global Definitions

Complex Type: BasicData

Super-types:	None
Sub-types:	• TravelTimeData (by extension)

Name	BasicData
Abstract	yes
Documentation	Data that are either measured or calculated at the same time or over the same time period.

XML Instance Representation

```
<...>
   <roa:_basicDataExtension> com:_ExtensionType </roa:_basicDataExtension>
   [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="BasicData" abstract="true">
   <xs:sequence>
      <xs:element name="_basicDataExtension" type="com:_ExtensionType"
      minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: DateTimeValue

Super-types:	com:DataValue < **DateTimeValue** (by extension)
Sub-types:	None

Name	DateTimeValue
Abstract	no
Documentation	A measured or calculated value of an instant in time.

XML Instance Representation

```
<...>
   <!-- 'com:DataValue' super type was not found in this schema. Some
   elements and attributes may be missing. -->
   <roa:dateTime> com:DateTime </roa:dateTime> [1] ?
   <roa:_dateTimeValueExtension> com:_ExtensionType
   </roa:_dateTimeValueExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DateTimeValue">
   <xs:complexContent>
      <xs:extension base="com:DataValue">
         <xs:sequence>
            <xs:element name="dateTime" type="com:DateTime" minOccurs="1"
            maxOccurs="1"/>
            <xs:element name="_dateTimeValueExtension"
            type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
```

```
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: DurationValue

Super-types:	com:DataValue < **DurationValue** (by extension)
Sub-types:	None

Name	DurationValue
Abstract	no
Documentation	A measured or calculated value of a period of time.

XML Instance Representation

```
<...>
   <!-- 'com:DataValue' super type was not found in this schema. Some
   elements and attributes may be missing. -->
   <roa:duration> com:Seconds </roa:duration> [1] ?
   <roa:_durationValueExtension> com:_ExtensionType
   </roa:_durationValueExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DurationValue">
   <xs:complexContent>
      <xs:extension base="com:DataValue">
         <xs:sequence>
            <xs:element name="duration" type="com:Seconds" minOccurs="1"
            maxOccurs="1"/>
            <xs:element name="_durationValueExtension"
            type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: MeasurementOrCalculationTime

Super-types:	None
Sub-types:	None

Name	MeasurementOrCalculationTime
Abstract	no
Documentation	Describes the time at which a measured or calculated value or set of values was measured or calculated. It may be a future time at which a data value is predicted to apply.

XML Instance Representation

```
<...
 timePrecision="com:TimePrecisionEnum [0..1] ?">
   <roa:timeMeaning> roa:_TimeMeaningEnum </roa:timeMeaning> [0..1] ?
   <roa:timeValue> com:DateTime </roa:timeValue> [0..1] ?
   <roa:period> com:Period </roa:period> [0..1] ?
```

```
   <roa:_measurementOrCalculationTimeExtension> com:_ExtensionType
   </roa:_measurementOrCalculationTimeExtension> [0..1]
</.../>
```

Schema Component Representation

```
<xs:complexType name="MeasurementOrCalculationTime">
   <xs:sequence>
      <xs:element name="timeMeaning" type="roa:_TimeMeaningEnum" minOccurs="0"
      maxOccurs="1"/>
      <xs:element name="timeValue" type="com:DateTime" minOccurs="0"
      maxOccurs="1"/>
      <xs:element name="period" type="com:Period" minOccurs="0"/>
      <xs:element name="_measurementOrCalculationTimeExtension"
      type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
   <xs:attribute name="timePrecision" type="com:TimePrecisionEnum"
   use="optional"/>
</xs:complexType>
```

top

Complex Type: TravelTimeData

Super-types:	BasicData < **TravelTimeData** (by extension)
Sub-types:	None

Name	TravelTimeData
Abstract	no
Documentation	Derived/computed travel time information relating to a linear section of the road network; forecast = true means a forecast for a vehicle at the start of the specified location, forecast = false means calculation/measurement at the end.

XML Instance Representation

```
<.../>
   <roa:_basicDataExtension> com:_ExtensionType </roa:_basicDataExtension>
   [0..1]
   <roa:travelTimeTrendType> roa:_TravelTimeTrendTypeEnum
   </roa:travelTimeTrendType> [0..1] ?
   <roa:travelTimeType> roa:_TravelTimeTypeEnum </roa:travelTimeType> [0..1]
   ?
   <roa:vehicleType> com:_VehicleTypeEnum </roa:vehicleType> [0..*] ?
   <roa:travelTime> roa:DurationValue </roa:travelTime> [0..1] ?
   <roa:freeFlowTravelTime> roa:DurationValue </roa:freeFlowTravelTime>
   [0..1] ?
   <roa:normallyExpectedTravelTime> roa:DurationValue
   </roa:normallyExpectedTravelTime> [0..1] ?
   <roa:travelTimeDelay> roa:DurationValue </roa:travelTimeDelay> [0..1] ?
   <roa:freeFlowSpeed> com:SpeedValue </roa:freeFlowSpeed> [0..1] ?
   <roa:_travelTimeDataExtension> com:_ExtensionType
   </roa:_travelTimeDataExtension> [0..1]
</.../>
```

Schema Component Representation

```
<xs:complexType name="TravelTimeData">
   <xs:complexContent>
      <xs:extension base="roa:BasicData">
         <xs:sequence>
            <xs:element name="travelTimeTrendType"
            type="roa:_TravelTimeTrendTypeEnum" minOccurs="0" maxOccurs="1"/>
```

```
          <xs:element name="travelTimeType" type="roa:_TravelTimeTypeEnum"
          minOccurs="0" maxOccurs="1"/>
          <xs:element name="vehicleType" type="com:_VehicleTypeEnum"
          minOccurs="0" maxOccurs="unbounded"/>
          <xs:element name="travelTime" type="roa:DurationValue"
          minOccurs="0"/>
          <xs:element name="freeFlowTravelTime" type="roa:DurationValue"
          minOccurs="0"/>
          <xs:element name="normallyExpectedTravelTime"
          type="roa:DurationValue" minOccurs="0"/>
          <xs:element name="travelTimeDelay" type="roa:DurationValue"
          minOccurs="0"/>
          <xs:element name="freeFlowSpeed" type="com:SpeedValue"
          minOccurs="0"/>
          <xs:element name="_travelTimeDataExtension"
          type="com:_ExtensionType" minOccurs="0"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
</xs:complexType>
```

top

Complex Type: _TimeMeaningEnum

Super-types:	xs:string < TimeMeaningEnum (by restriction) < **_TimeMeaningEnum** (by extension)
Sub-types:	None

Name	_TimeMeaningEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   roa:TimeMeaningEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_TimeMeaningEnum">
  <xs:simpleContent>
    <xs:extension base="roa:TimeMeaningEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _TravelTimeTrendTypeEnum

Super-types:	xs:string < TravelTimeTrendTypeEnum (by restriction) < **_TravelTimeTrendTypeEnum** (by extension)
Sub-types:	None

Name	_TravelTimeTrendTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   roa:TravelTimeTrendTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_TravelTimeTrendTypeEnum">
   <xs:simpleContent>
      <xs:extension base="roa:TravelTimeTrendTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _TravelTimeTypeEnum

Super-types:	xs:string < TravelTimeTypeEnum (by restriction) < **_TravelTimeTypeEnum** (by extension)
Sub-types:	None

Name	_TravelTimeTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   roa:TravelTimeTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_TravelTimeTypeEnum">
   <xs:simpleContent>
      <xs:extension base="roa:TravelTimeTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Simple Type: TimeMeaningEnum

Super-types:	xs:string < **TimeMeaningEnum** (by restriction)
Sub-types:	• _TimeMeaningEnum (by extension)

Name	TimeMeaningEnum
Content	• Base XSD Type: string • *value* comes from list: {'beginTime'|'endTime'|'middleTime'|'_extended'}
Documentation	Explains the meaning of a specific time value with respect to a time period

Schema Component Representation

```
<xs:simpleType name="TimeMeaningEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="beginTime"/>
      <xs:enumeration value="endTime"/>
      <xs:enumeration value="middleTime"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: TravelTimeTrendTypeEnum

Super-types: xs:string < **TravelTimeTrendTypeEnum** (by restriction)

Sub-types:
- _TravelTimeTrendTypeEnum (by extension)

Name TravelTimeTrendTypeEnum

Content
- Base XSD Type: string
- *value* comes from list: {'decreasing'|'increasing'|'stable'|'_extended'}

Documentation List of terms used to describe the trend in travel times.

Schema Component Representation

```
<xs:simpleType name="TravelTimeTrendTypeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="decreasing"/>
      <xs:enumeration value="increasing"/>
      <xs:enumeration value="stable"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: TravelTimeTypeEnum

Super-types: xs:string < **TravelTimeTypeEnum** (by restriction)

Sub-types:
- _TravelTimeTypeEnum (by extension)

Name TravelTimeTypeEnum

Content
- Base XSD Type: string
- *value* comes from list: {'best'|'estimated'|'instantaneous'|'reconstituted'|'predictor'|'profile'|'sum'|'_extended'}

Documentation List of ways in which travel times are derived.

Schema Component Representation

```
<xs:simpleType name="TravelTimeTypeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="best"/>
      <xs:enumeration value="estimated"/>
      <xs:enumeration value="instantaneous"/>
      <xs:enumeration value="reconstituted"/>
      <xs:enumeration value="predictor"/>
```

```
      <xs:enumeration value="profile"/>
      <xs:enumeration value="sum"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

DATEXII_3_TrafficRegulation

Table of Contents

top

Schema Document Properties

Target Namespace	**http://datex2.eu/schema/3/trafficRegulation**
Version	1
Element and Attribute Namespaces	• Global element and attribute declarations belong to this schema's target namespace. • By default, local element declarations belong to this schema's target namespace. • By default, local attribute declarations have no namespace.

Schema Composition	• This schema imports schema(s) from the following namespace(s):
	  ◦ *http://datex2.eu/schema/3/locationReferencing* (at DATEXII_3_LocationReferencing.xsd)
	  ◦ *http://datex2.eu/schema/3/common* (at DATEXII_3_Common.xsd)

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace
xs	http://www.w3.org/2001/XMLSchema
loc	http://datex2.eu/schema/3/locationReferencing
com	http://datex2.eu/schema/3/common
tro	**http://datex2.eu/schema/3/trafficRegulation**

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified" version="1"
targetNamespace="http://datex2.eu/schema/3/trafficRegulation">
   <xs:import namespace="http://datex2.eu/schema/3/locationReferencing"
   schemaLocation="DATEXII_3_LocationReferencing.xsd"/>
   <xs:import namespace="http://datex2.eu/schema/3/common" schemaLocation="DATEXII_3_Common.xsd"/>
   ...
</xs:schema>
```

top

Global Definitions

Complex Type: AccessCondition

Super-types:	Condition < **AccessCondition** (by extension)
Sub-types:	None

Name	AccessCondition
Abstract	no
Documentation	Conditions for the access of a road or carriageway or lane.

XML Instance Representation

```
<...>
   <tro:negate> com:Boolean </tro:negate> [0..1] ?
   <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
   <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
   <tro:accessConditionType> tro:_AccessConditionTypeEnum </tro:accessConditionType> [1..*] ?
```

```
   <tro:otherAccessRestriction> com:MultilingualString </tro:otherAccessRestriction> [0..1] ?
   <tro:applicableLocation> loc:LocationReference </tro:applicableLocation> [0..1] ?
   <tro:_accessConditionExtension> com:_ExtensionType </tro:_accessConditionExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AccessCondition">
   <xs:complexContent>
      <xs:extension base="tro:Condition">
         <xs:sequence>
            <xs:element name="accessConditionType" type="tro:_AccessConditionTypeEnum" minOccurs="1"
            maxOccurs="unbounded"/>
            <xs:element name="otherAccessRestriction" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
            <xs:element name="applicableLocation" type="loc:LocationReference" minOccurs="0"/>
            <xs:element name="_accessConditionExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: Condition

Super-types:	None
Sub-types:	• AccessCondition (by extension) • ConditionSet (by extension) • DriverCondition (by extension) • LocationCondition (by extension) • NonVehicularRoadUserCondition (by extension) • OccupantCondition (by extension) • PermitCondition (by extension) • RoadCondition (by extension) • ValidityCondition (by extension) • VehicleCondition (by extension)

Name	Condition
Abstract	yes
Documentation	Abstract class that specifies a condition for applicabilities or exemptions of a traffic regulation.

XML Instance Representation

```
<...>
   <tro:negate> com:Boolean </tro:negate> [0..1] ?
   <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
   <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Condition" abstract="true">
   <xs:sequence>
      <xs:element name="negate" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="legalBasis" type="tro:LegalBasis" minOccurs="0"/>
      <xs:element name="_conditionExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: ConditionSet

Super-types:	Condition < **ConditionSet** (by extension)
Sub-types:	None

Name	ConditionSet
Abstract	no
Documentation	Groups a number of conditions into a condition set.

XML Instance Representation

```
<...>
   <tro:negate> com:Boolean </tro:negate> [0..1] ?
   <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
   <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
   <tro:operator> tro:_ConditionOperator </tro:operator> [1] ?
   <tro:conditions> tro:Condition </tro:conditions> [1..*] ?
   <tro:_conditionSetExtension> com:_ExtensionType </tro:_conditionSetExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ConditionSet">
   <xs:complexContent>
      <xs:extension base="tro:Condition">
         <xs:sequence>
            <xs:element name="operator" type="tro:_ConditionOperator" minOccurs="1" maxOccurs="1"/>
            <xs:element name="conditions" type="tro:Condition" maxOccurs="unbounded"/>
            <xs:element name="_conditionSetExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: DriverCondition

Super-types:	Condition < **DriverCondition** (by extension)
Sub-types:	None

Name	DriverCondition
Abstract	no
Documentation	Conditions for the driver, e.g. holding a disabled permit.

XML Instance Representation

```
<...>
   <tro:negate> com:Boolean </tro:negate> [0..1] ?
   <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
   <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
   <tro:driverCharacteristicsType> tro:_DriverCharacteristicsTypeEnum </tro:driverCharacteristicsType> [0..1] ?
   <tro:ageOfDriver> com:NonNegativeInteger </tro:ageOfDriver> [0..1] ?
   <tro:licenseCharacteristics> tro:_LicenseCharacteristicsEnum </tro:licenseCharacteristics> [0..1] ?
   <tro:timeLicenseHeld> tro:Duration </tro:timeLicenseHeld> [0..1] ?
   <tro:_driverConditionExtension> com:_ExtensionType </tro:_driverConditionExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DriverCondition">
   <xs:complexContent>
      <xs:extension base="tro:Condition">
         <xs:sequence>
            <xs:element name="driverCharacteristicsType" type="tro:_DriverCharacteristicsTypeEnum" minOccurs="0"
            maxOccurs="1"/>
            <xs:element name="ageOfDriver" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
            <xs:element name="licenseCharacteristics" type="tro:_LicenseCharacteristicsEnum" minOccurs="0"
            maxOccurs="1"/>
            <xs:element name="timeLicenseHeld" type="tro:Duration" minOccurs="0" maxOccurs="1"/>
            <xs:element name="_driverConditionExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: LegalBasis

Super-types:	None
Sub-types:	None

Name	LegalBasis
Abstract	no
Documentation	Class for specification of a legal basis.

XML Instance Representation

```
<...>
   <tro:name> com:MultilingualString </tro:name> [1] ?
   <tro:version> com:String </tro:version> [0..1] ?
   <tro:date> com:Date </tro:date> [0..1] ?
   <tro:_legalBasisExtension> com:_ExtensionType </tro:_legalBasisExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="LegalBasis">
   <xs:sequence>
      <xs:element name="name" type="com:MultilingualString" minOccurs="1" maxOccurs="1"/>
      <xs:element name="version" type="com:String" minOccurs="0" maxOccurs="1"/>
      <xs:element name="date" type="com:Date" minOccurs="0" maxOccurs="1"/>
      <xs:element name="_legalBasisExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: LocationCondition

Super-types:	Condition < **LocationCondition** (by extension)
Sub-types:	None

Name	LocationCondition
Abstract	no
Documentation	Conditions for the location of a traffic regulation.

XML Instance Representation

```
<...>
   <tro:negate> com:Boolean </tro:negate> [0..1] ?
   <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
   <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
   <tro:implementedLocation> loc:LocationReference </tro:implementedLocation> [0..1] ?
```

```
<tro:locationByOrder> loc:LocationReference </tro:locationByOrder> [0..1] ?
<tro:trafficImpactLocation> loc:LocationReference </tro:trafficImpactLocation> [0..1] ?
<tro:_locationConditionExtension> com:_ExtensionType </tro:_locationConditionExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="LocationCondition">
  <xs:complexContent>
    <xs:extension base="tro:Condition">
      <xs:sequence>
        <xs:element name="implementedLocation" type="loc:LocationReference" minOccurs="0"/>
        <xs:element name="locationByOrder" type="loc:LocationReference" minOccurs="0"/>
        <xs:element name="trafficImpactLocation" type="loc:LocationReference" minOccurs="0"/>
        <xs:element name="_locationConditionExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: NonVehicularRoadUserCondition

Super-types:	Condition < **NonVehicularRoadUserCondition** (by extension)
Sub-types:	None

Name	NonVehicularRoadUserCondition
Abstract	no
Documentation	Conditions for non vehicular road users.

XML Instance Representation

```
<...>
  <tro:negate> com:Boolean </tro:negate> [0..1] ?
  <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
  <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
  <tro:nonVehicularRoadUser> tro:_NonVehicularRoadUserTypeEnum </tro:nonVehicularRoadUser> [1] ?
  <tro:_nonVehicularRoadUserConditionExtension> com:_ExtensionType </tro:_nonVehicularRoadUserConditionExtension>
  [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="NonVehicularRoadUserCondition">
  <xs:complexContent>
    <xs:extension base="tro:Condition">
      <xs:sequence>
        <xs:element name="nonVehicularRoadUser" type="tro:_NonVehicularRoadUserTypeEnum" minOccurs="1"
        maxOccurs="1"/>
        <xs:element name="_nonVehicularRoadUserConditionExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: OccupantCondition

Super-types:	Condition < **OccupantCondition** (by extension)
Sub-types:	None

Name	OccupantCondition
Abstract	no
Documentation	Conditions for the occupants of a vehicle.

XML Instance Representation

```
<...>
  <tro:negate> com:Boolean </tro:negate> [0..1] ?
  <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
  <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
  <tro:disabledWithPermit> com:Boolean </tro:disabledWithPermit> [0..1] ?
  <tro:numberOfOccupants> com:NonNegativeInteger </tro:numberOfOccupants> [0..1] ?
  <tro:_occupantConditionExtension> com:_ExtensionType </tro:_occupantConditionExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OccupantCondition">
  <xs:complexContent>
    <xs:extension base="tro:Condition">
      <xs:sequence>
        <xs:element name="disabledWithPermit" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="numberOfOccupants" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
        <xs:element name="_occupantConditionExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

top

Complex Type: PermitCondition

Super-types:	Condition < **PermitCondition** (by extension)
Sub-types:	None

Name	PermitCondition
Abstract	no
Documentation	Condition for which a permit is required for vehicles with certain characteristics. Sometimes restricted to specific locations.

XML Instance Representation

```
<...>
   <tro:negate> com:Boolean </tro:negate> [0..1] ?
   <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
   <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
   <tro:whereToApplyForPermit> com:Url </tro:whereToApplyForPermit> [0..1] ?
   <tro:locationRelatedPermit> com:Boolean </tro:locationRelatedPermit> [0..1] ?
   <tro:maxDurationOfPermit> tro:Duration </tro:maxDurationOfPermit> [0..1] ?
   <tro:whereToCallForPermit> com:String </tro:whereToCallForPermit> [0..1] ?
   <tro:permitSubjectToFee> tro:PermitSubjectToFee </tro:permitSubjectToFee> [0..1]
   <tro:_permitConditionExtension> com:_ExtensionType </tro:_permitConditionExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PermitCondition">
   <xs:complexContent>
      <xs:extension base="tro:Condition">
         <xs:sequence>
            <xs:element name="whereToApplyForPermit" type="com:Url" minOccurs="0" maxOccurs="1"/>
            <xs:element name="locationRelatedPermit" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
            <xs:element name="maxDurationOfPermit" type="tro:Duration" minOccurs="0" maxOccurs="1"/>
            <xs:element name="whereToCallForPermit" type="com:String" minOccurs="0" maxOccurs="1"/>
            <xs:element name="permitSubjectToFee" type="tro:PermitSubjectToFee" minOccurs="0"/>
            <xs:element name="_permitConditionExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: PermitSubjectToFee

Super-types:	None
Sub-types:	None

Name	PermitSubjectToFee
Abstract	no
Documentation	Access permitted when fee is paid.

XML Instance Representation

```
<...>
   <tro:amountDue> tro:AmountOfMoney </tro:amountDue> [0..1] ?
   <tro:maximumAccessDuration> tro:Duration </tro:maximumAccessDuration> [0..1] ?
   <tro:minimumTimeToNextEntry> tro:Duration </tro:minimumTimeToNextEntry> [0..1] ?
   <tro:paymentInformation> com:Url </tro:paymentInformation> [0..1] ?
   <tro:_permitSubjectToFeeExtension> com:_ExtensionType </tro:_permitSubjectToFeeExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PermitSubjectToFee">
   <xs:sequence>
      <xs:element name="amountDue" type="tro:AmountOfMoney" minOccurs="0" maxOccurs="1"/>
      <xs:element name="maximumAccessDuration" type="tro:Duration" minOccurs="0" maxOccurs="1"/>
      <xs:element name="minimumTimeToNextEntry" type="tro:Duration" minOccurs="0" maxOccurs="1"/>
      <xs:element name="paymentInformation" type="com:Url" minOccurs="0" maxOccurs="1"/>
      <xs:element name="_permitSubjectToFeeExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: RoadCondition

Super-types:	Condition < **RoadCondition** (by extension)
Sub-types:	None

Name	RoadCondition
Abstract	no
Documentation	Specification of road types (e.g. motorway, express way, etc.).

XML Instance Representation

```
<...>
   <tro:negate> com:Boolean </tro:negate> [0..1] ?
   <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
   <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
```

```
   <tro:roadType> tro:_RoadTypeEnum </tro:roadType> [1] ?
   <tro:_roadConditionExtension> com:_ExtensionType </tro:_roadConditionExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RoadCondition">
   <xs:complexContent>
      <xs:extension base="tro:Condition">
         <xs:sequence>
            <xs:element name="roadType" type="tro:_RoadTypeEnum" minOccurs="1" maxOccurs="1"/>
            <xs:element name="_roadConditionExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: Speed

Super-types:	None
Sub-types:	None

Name	Speed
Abstract	no
Documentation	Class for the specification of a speed.

XML Instance Representation

```
<...>
   <tro:numericValue> com:Decimal </tro:numericValue> [1] ?
   <tro:unitOfMeasure> tro:_UnitOfSpeedEnum </tro:unitOfMeasure> [1] ?
   <tro:_speedExtension> com:_ExtensionType </tro:_speedExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Speed">
   <xs:sequence>
      <xs:element name="numericValue" type="com:Decimal" minOccurs="1" maxOccurs="1"/>
      <xs:element name="unitOfMeasure" type="tro:_UnitOfSpeedEnum" minOccurs="1" maxOccurs="1"/>
      <xs:element name="_speedExtension" type="com:_ExtensionType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

top

Complex Type: ValidityCondition

Super-types:	Condition < **ValidityCondition** (by extension)
Sub-types:	None

Name	ValidityCondition
Abstract	no
Documentation	Conditions for time validity of a traffic regulation.

XML Instance Representation

```
<...>
   <tro:negate> com:Boolean </tro:negate> [0..1] ?
   <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
   <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
   <tro:implementedValidity> com:Validity </tro:implementedValidity> [0..1] ?
   <tro:validityByOrder> com:Validity </tro:validityByOrder> [0..1] ?
   <tro:_validityConditionExtension> com:_ExtensionType </tro:_validityConditionExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ValidityCondition">
   <xs:complexContent>
      <xs:extension base="tro:Condition">
         <xs:sequence>
            <xs:element name="implementedValidity" type="com:Validity" minOccurs="0"/>
            <xs:element name="validityByOrder" type="com:Validity" minOccurs="0"/>
            <xs:element name="_validityConditionExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: VehicleCondition

Super-types:	Condition < **VehicleCondition** (by extension)
Sub-types:	None

Name	VehicleCondition
Abstract	no

Documentation Conditions for a vehicle.

XML Instance Representation

```
<...>
   <tro:negate> com:Boolean </tro:negate> [0..1] ?
   <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
   <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
   <tro:vehicleCharacteristics> com:VehicleCharacteristics </tro:vehicleCharacteristics> [1] ?
   <tro:_vehicleConditionExtension> com:_ExtensionType </tro:_vehicleConditionExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="VehicleCondition">
   <xs:complexContent>
      <xs:extension base="tro:Condition">
         <xs:sequence>
            <xs:element name="vehicleCharacteristics" type="com:VehicleCharacteristics"/>
            <xs:element name="_vehicleConditionExtension" type="com:_ExtensionType" minOccurs="0"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

top

Complex Type: _AccessConditionTypeEnum

Super-types:	xs:string < AccessConditionTypeEnum (by restriction) < **_AccessConditionTypeEnum** (by extension)
Sub-types:	None

Name _AccessConditionTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   tro:AccessConditionTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_AccessConditionTypeEnum">
   <xs:simpleContent>
      <xs:extension base="tro:AccessConditionTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _ConditionOperator

Super-types:	xs:string < ConditionOperator (by restriction) < **_ConditionOperator** (by extension)
Sub-types:	None

Name _ConditionOperator

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   tro:ConditionOperator
</...>
```

Schema Component Representation

```
<xs:complexType name="_ConditionOperator">
   <xs:simpleContent>
      <xs:extension base="tro:ConditionOperator">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _DriverCharacteristicsTypeEnum

Super-types:	xs:string < DriverCharacteristicsTypeEnum (by restriction) < **_DriverCharacteristicsTypeEnum** (by extension)
Sub-types:	None

Name _DriverCharacteristicsTypeEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
```

```
   tro:DriverCharacteristicsTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_DriverCharacteristicsTypeEnum">
   <xs:simpleContent>
      <xs:extension base="tro:DriverCharacteristicsTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _LicenseCharacteristicsEnum

Super-types:	xs:string < LicenseCharacteristicsEnum (by restriction) < **_LicenseCharacteristicsEnum** (by extension)
Sub-types:	None

Name	_LicenseCharacteristicsEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   tro:LicenseCharacteristicsEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_LicenseCharacteristicsEnum">
   <xs:simpleContent>
      <xs:extension base="tro:LicenseCharacteristicsEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _NonVehicularRoadUserTypeEnum

Super-types:	xs:string < NonVehicularRoadUserTypeEnum (by restriction) < **_NonVehicularRoadUserTypeEnum** (by extension)
Sub-types:	None

Name	_NonVehicularRoadUserTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   tro:NonVehicularRoadUserTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_NonVehicularRoadUserTypeEnum">
   <xs:simpleContent>
      <xs:extension base="tro:NonVehicularRoadUserTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _RoadTypeEnum

Super-types:	xs:string < RoadTypeEnum (by restriction) < **_RoadTypeEnum** (by extension)
Sub-types:	None

Name	_RoadTypeEnum
Abstract	no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   tro:RoadTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_RoadTypeEnum">
   <xs:simpleContent>
      <xs:extension base="tro:RoadTypeEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Complex Type: _UnitOfSpeedEnum

Super-types:	xs:string < UnitOfSpeedEnum (by restriction) < **_UnitOfSpeedEnum** (by extension)
Sub-types:	None

Name _UnitOfSpeedEnum

Abstract no

XML Instance Representation

```
<...
 _extendedValue="xs:string [0..1]">
   tro:UnitOfSpeedEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_UnitOfSpeedEnum">
   <xs:simpleContent>
      <xs:extension base="tro:UnitOfSpeedEnum">
         <xs:attribute name="_extendedValue" type="xs:string"/>
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

top

Simple Type: AccessConditionTypeEnum

Super-types:	xs:string < **AccessConditionTypeEnum** (by restriction)
Sub-types:	• _AccessConditionTypeEnum (by extension)

Name AccessConditionTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'accessOnly'|'destinationTraffic'|'loadingAndUnloading'|'passengerLoadingAndUnloading'|'sourceAndDestinationTraffic'|'sourceTraffic'|'throughTraffic

Documentation Access is only permitted under certain conditions.

Schema Component Representation

```
<xs:simpleType name="AccessConditionTypeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="accessOnly"/>
      <xs:enumeration value="destinationTraffic"/>
      <xs:enumeration value="loadingAndUnloading"/>
      <xs:enumeration value="passengerLoadingAndUnloading"/>
      <xs:enumeration value="sourceAndDestinationTraffic"/>
      <xs:enumeration value="sourceTraffic"/>
      <xs:enumeration value="throughTraffic"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: AmountOfMoney

Super-types:	com:Decimal < **AmountOfMoney** (by restriction)
Sub-types:	None

Name AmountOfMoney

Content

- **'Decimal' super type was not found in this schema. Its facets could not be printed out.**
- *total no. of digits* = 8

Documentation A monetary value expressed to two decimal places.

Schema Component Representation

```
<xs:simpleType name="AmountOfMoney">
   <xs:restriction base="com:Decimal">
      <xs:totalDigits value="8"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: ConditionOperator

Super-types:	xs:string < **ConditionOperator** (by restriction)
Sub-types:	• _ConditionOperator (by extension)

Name ConditionOperator

Content

- Base XSD Type: string
- *value* comes from list: {'or'|'xor'|'and'|'_extended'}

Documentation The logical operator to be used in a test of conditions.

Schema Component Representation

```
<xs:simpleType name="ConditionOperator">
  <xs:restriction base="xs:string">
    <xs:enumeration value="or"/>
    <xs:enumeration value="xor"/>
    <xs:enumeration value="and"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: DriverCharacteristicsTypeEnum

Super-types: xs:string < **DriverCharacteristicsTypeEnum** (by restriction)

Sub-types:

- _DriverCharacteristicsTypeEnum (by extension)

Name DriverCharacteristicsTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'disabledWithPermit'|'learnerdriver'|'localResident'|'_extended'}

Documentation Types of driver characteristics.

Schema Component Representation

```
<xs:simpleType name="DriverCharacteristicsTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="disabledWithPermit"/>
    <xs:enumeration value="learnerdriver"/>
    <xs:enumeration value="localResident"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: Duration

Super-types: com:String < **Duration** (by restriction)

Sub-types: None

Name Duration

Content

- **'String' super type was not found in this schema. Its facets could not be printed out.**

Documentation DIN ISO 8601 duration value.

Schema Component Representation

```
<xs:simpleType name="Duration">
  <xs:restriction base="com:String"/>
</xs:simpleType>
```

top

Simple Type: LicenseCharacteristicsEnum

Super-types: xs:string < **LicenseCharacteristicsEnum** (by restriction)

Sub-types:

- _LicenseCharacteristicsEnum (by extension)

Name LicenseCharacteristicsEnum

Content

- Base XSD Type: string
- *value* comes from list: {'provisional'|'permanent'|'_extended'}

Documentation Characteristics of the drivers license.

Schema Component Representation

```
<xs:simpleType name="LicenseCharacteristicsEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="provisional"/>
    <xs:enumeration value="permanent"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

top

Simple Type: NonVehicularRoadUserTypeEnum

Super-types: xs:string < **NonVehicularRoadUserTypeEnum** (by restriction)

Sub-types:

- _NonVehicularRoadUserTypeEnum (by extension)

Name NonVehicularRoadUserTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'cattleDrive'|'pedestrians'|'riddenOrAccompaniedHorses'|'_extended'}

Documentation Collection of non vehicular road user types.

Schema Component Representation

```
<xs:simpleType name="NonVehicularRoadUserTypeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="cattleDrive"/>
      <xs:enumeration value="pedestrians"/>
      <xs:enumeration value="riddenOrAccompaniedHorses"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: RoadTypeEnum

Super-types: xs:string < **RoadTypeEnum** (by restriction)

Sub-types:

- _RoadTypeEnum (by extension)

Name RoadTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'motorway'|'expressRoad'|'insideBuiltUpAreas'|'outsideBuiltUpAreas'|'_extended'}

Documentation Collection of road types.

Schema Component Representation

```
<xs:simpleType name="RoadTypeEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="motorway"/>
      <xs:enumeration value="expressRoad"/>
      <xs:enumeration value="insideBuiltUpAreas"/>
      <xs:enumeration value="outsideBuiltUpAreas"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top

Simple Type: UnitOfSpeedEnum

Super-types: xs:string < **UnitOfSpeedEnum** (by restriction)

Sub-types:

- _UnitOfSpeedEnum (by extension)

Name UnitOfSpeedEnum

Content

- Base XSD Type: string
- *value* comes from list: {'kilometresPerHour'|'milesPerHour'|'_extended'}

Documentation Units of speed.

Schema Component Representation

```
<xs:simpleType name="UnitOfSpeedEnum">
   <xs:restriction base="xs:string">
      <xs:enumeration value="kilometresPerHour"/>
      <xs:enumeration value="milesPerHour"/>
      <xs:enumeration value="_extended"/>
   </xs:restriction>
</xs:simpleType>
```

top