Data Dictionary Parking Publications v1.0a

A.1 Overview

A.2 Data Dictionary for "Parking Publications"

A.2.1 "Junction" package

A.2.1.1   "Junction" package classes

Class name	Designation	Definition	Stereotype	Abstract
Junction	Junction	Junction (on a highway), can also be an interchange or if applicable also a motorway service station (see junctionClassification).		no
PointExtended	Point extended	Extension point for 'Point' to support the description of junctions (and other alternative point descriptions).		no

Table 1— Classes of the "Junction" package

A.2.1.2   "Junction" package association roles

Class name	Role name	Designation	Definition	Multiplicity	Target
Junction	destinationMotorway	Destination motorway	In case of any type of intersection, the destination motorway(s) can be defined.	0..*	Road
	motorway	Motorway	A detailed identification of the motorway the junction belongs to.	0..1	Road

Table 2— Associations of the "Junction" package

A.2.1.3 "Junction" package attributes

Class name	Attribute name	Designation	Definition	Multiplicity	Type
Junction	junctionClassification	Junction classification	Explicit type of junction.	0..1	JunctionClassificationEnum
	junctionName	Junction name	Name of the junction.	1..1	MultilingualString
	junctionNumber	Junction number	Number of the junction, might also include letters (example: 23A).	0..1	String
PointExtended	description	Description	Textual description for a point location	0..1	MultilingualString

Table 3— Attributes of the "Junction" package

A.2.2 "OpeningTimes" package

A.2.2.1 "OpeningTimes" package classes

Class name	Designation	Definition	Stereotype	Abstract
OpeningTimes	Opening times	A specification of opening times (e.g. for a parking site, a service facility, an access or the availability for equipment).		no
PeriodExtended	Period extended	An extension point for Period offering the possibility to describe special days and public holidays.		no
PublicHoliday	Public holiday	Specification of the public holiday type in a specific country or region. Use this component only when specialDayType is set to 'publicHoliday' or 'holidays'.		no
SpecialDay	Special day	Specification of a special day, for example schoolDay, electionDay, ... Gives also the possibility to define a public holiday (country specific).		no

Table 4— Classes of the "OpeningTimes" package

A.2.2.2 "OpeningTimes" package association roles

Class name	Role name	Designation	Definition	Multiplicity	Target
PeriodExtended	recurringSpecialDay	Recurring special day	A recurring period in terms of special days.	0..*	SpecialDay

Table 5— Associations of the "OpeningTimes" package

A.2.2.3 **"OpeningTimes" package attributes**

Class name	Attribute name	Designation	Definition	Multiplicity	Type
OpeningTimes	available24hours	Available24hours	Specifies if the availability is 24 hours a day. If omitted, this information is unknown or heterogeneous.	0..1	Boolean
	lastUpdated	Last updated	The date/time at which this information was last updated.	0..1	DateTime
	openAllYear	Open all year	indicates whether the parking facility is available 365 days a year	0..1	Boolean
	openingTimesNotSpecified	Opening times not specified	When true, the opening times are not specified.	0..1	Boolean
	openingTimesUnknown	Opening times unknown	When true, the opening times are unknown.	0..1	Boolean
	urlLinkAddress	URL link address	A Uniform Resource Locator (URL) address pointing to a resource available on the Internet from where further relevant information may be obtained.	0..1	Url
PublicHoliday	country	Country	ISO 3166-1 two character country code.	1..1	CountryEnum
	countrySubdivision	Country subdivision	ISO 3166-2 country sub-division code (up to 3 characters).	0..1	String
	publicHolidayName	Public holiday name	Specification of public holiday, if the enumeration values do not fit.	0..1	MultilingualString
	publicHolidayType	Public holiday type	Specifies the public holiday type for the country or region.	1..1	PublicHolidayTypeEnum
	region	Region	Region of country (e.g. "Scotland", "Wales" etc. if country = GB)	0..1	MultilingualString
SpecialDay	intersectWithApplicableDays	Intersect with applicable days	When true, the period is the intersection of applicable days and this special day. When false, the period is the union of applicable days and this special day."	1..1	Boolean
	specialDayName	Special day name	Specification of a special day, if the enumeration values do not fit.	0..1	MultilingualString
	specialDayType	Special day type	Specification of a special day, for example schoolDay, electionDay, .. .	1..1	SpecialDayTypeEnum

Table 6— Attributes of the "OpeningTimes" package

A.2.3 "ParkingAccess" package

A.2.3.1 "ParkingAccess" package classes

Class name	Designation	Definition	Stereotype	Abstract
ParkingAccess	Parking access	Describes one entrance or exit (or both) to a parking site.	identifiable	no

Table 7— Classes of the "ParkingAccess" package

A.2.3.2 "ParkingAccess" package association roles

Class name	Role name	Designation	Definition	Multiplicity	Target
ParkingAccess	accessAssignedAmongOthers	Access assigned among others	The assignment given in this class is convenient for this access, but not exclusionary. By using this role, do not use the same set of attributes within the other two roles.	0..1	ParkingAssignment
	accessOnlyAssignedFor	Access only assigned for	Only the assignment given in this class is allowed for this access, i.e. other assignments are not allowed. By using this role, do not use the same set of attributes within the other two roles.	0..1	ParkingAssignment
	accessProhibitedFor	Access prohibited for	The assignment given in this class is prohibited for this access. By using this role, do not use the same set of attributes within the other two roles.	0..1	ParkingAssignment
	primaryRoad	Primary road	Identification for up to two primary roads located nearby the access or which make the parking accessible.	0..*	Road

Table 8— Associations of the "ParkingAccess" package

Class name	Attribute name	Designation	Definition	Multiplicity	Type
ParkingAccess	accessCategory	Access category	Specifies the category(s) of this access.	1..*	AccessCategoryEnum
	accessEquipment	Access equipment	Specifies additional equipment for this access.	0..*	AccessEquipmentEnum
	accessibility	Accessibility	Information on accessibility, easements and marking for handicapped people.	0..*	AccessibilityEnum
	accessName	Access name	A name of the entrance or exit. This might be an indication to the corresponding road, for example.	0..1	MultilingualString
	photoUrl	Photo url	Specifies a URL at which a photo of the object in concern can be found.	0..1	Url

Table 9— Attributes of the "ParkingAccess" package

A.2.4 "ParkingEquipmentOrServiceFacility" package

A.2.4.1   "ParkingEquipmentOrServiceFacility" package classes

Class name	Designation	Definition	Stereotype	Abstract
ElectricCharging	Electric charging	Additional information for the equipment 'electricChargingStation'. This component refers to the number of charging stations specified in the attribute 'numberOfEquipmentOrServiceFacilities'.		no
Equipment	Equipment	One type of equipment, that is available on the parking site.		no
ParkingEquipmentOrServiceFacility	Parking equipment or service facility	One type of equipment or additional service facility that is available at the parking site, parking space or group of parking spaces.		yes
ServiceFacility	Service facility	One type of service facility that is available on the parking site or located next to it. 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).		no

Table 10— Classes of the "ParkingEquipmentOrServiceFacility" package

A.2.4.2 "ParkingEquipmentOrServiceFacility" package association roles

Class name	Role name	Designation	Definition	Multiplicity	Target
ParkingEquipmentOrS erviceFacility	applicableForVehicles	Applicable for vehicles		0..*	VehicleCharacte ristics
	availabilityAndOpening Times	Availability and opening times	Specify the general availability of some equipment or service facility (by using just the 'OverallPeriod' component) or specify its opening times more detailed.	0..1	OpeningTimes

Table 11— Associations of the "ParkingEquipmentOrServiceFacility" package

A.2.4.3   "ParkingEquipmentOrServiceFacility" package attributes

Class name	Attribute name	Designation	Definition	Multiplicity	Type
ElectricCharging	chargingStationConnectorType	Charging station connector type	Connector type(s) for the electric charging station(s).	0..*	MultilingualString
	chargingStationModelType	Charging station model type	Model type of the electric charging station(s). Brand or company information can be specified in 'ParkingEquipmentOrServiceFacility'. For more than one type of model, use several instances of 'ParkingEquipmentOrServiceFacility'.	0..1	MultilingualString
	chargingStationUsageType	Charging station usage type	Usage type of the electric charging station(s).	1..*	ChargingStationUsageTypeEnum
	maximumCurrent	Maximum current	The maximum current of the electric charging station(s) (in Ampere).	0..1	Ampere
	numberOfChargingPoints	Number of charging points	Number of vehicles or devices, which can be charged simultaneously (sum over all electric charing stations specified with the 'numberOf...' attribute). If omitted, 1 charging point per station is assumed.	0..1	NonNegativeInteger
	voltage	Voltage	Available Voltage(s) of the electric charging station(s).	0..*	Volt
Equipment	equipmentType	Equipment type	One type of equipment, that is available on the parking site.	1..1	EquipmentTypeEnum
ParkingEquipmentOrServiceFacility	accessibility	Accessibility	Information on accessibility, easements and marking for handicapped people.	0..*	AccessibilityEnum
	additionalDescription	Additional description	Provides an additional description.	0..1	MultilingualString
	applicableForUser	Applicable for user	Limitation to a set of special users.	0..*	UserTypeEnum
	availability	Availability	Specifies, if the element in question is available or not. Note that this is no dynamic information!	0..1	AvailabilityEnum

Class name	Attribute name	Designation	Definition	Multiplicity	Type
	comment	Comment	A free text comment that can be used by the operator to convey un-coded observations/information.	0..1	MultilingualString
	equipmentOrServiceFacilityIdentifier	Equipment or service facility identifier	An internal identifier for the equipment or service facility, e.g. an inventory number. This attribute has an unbounded multiplicity to support identifiers for multiple occurrences of this element.	0..*	String
	nameOrBrand	Name or brand	Name or brand of the equipment or service facility, e.g. brand of petrol station, name of the WC-Service etc.	0..1	MultilingualString
	numberOfEquipmentOrServiceFacility	Number of equipment or service facility	Number of the specified element (e.g. number of toilets, restaurants, park & ride places, etc.) with respect to user restriction for the parking record, a complete group of spaces or a single space. Dynamic overridable.	0..1	NonNegativeInteger
	otherEquipmentOrServiceFacility	Other equipment or service facility	Specifies the additional equipment or service facility, if the enumerations provided do not fit. Use literal 'other' in this case.	0..1	MultilingualString
	photoUrl	Photo url	Specifies a URL at which a photo of the object in concern can be found.	0..1	Url
ServiceFacility	distanceFromParkingSite	Distance from parking site	If the service facility is not located on the parking site itself, its distance can be specified here in metres.	0..1	MetresAsNonNegativeInteger
	numberOfSubitems	Number of subitems	The quantity of sub items to this service facility type, e.g. the total number of restaurant places or fuel dispensers etc.	0..1	NonNegativeInteger
	serviceFacilityType	Service facility type	One type of service, that is available on the parking site.	1..1	ServiceFacilityTypeEnum

Table 12— Attributes of the "ParkingEquipmentOrServiceFacility" package

A.2.5 "ParkingRecord" package

A.2.5.1 "ParkingRecord" package classes

Class name	Designation	Definition	Stereotype	Abstract
Contact	Contact	Address and contact information about some person, service or the parking site, provided in detail or via reference.		no
ContactByReference	Contact by reference	Contact information that is addressed via a reference.		no
ContactDetails	Contact details	Details for some person, service or the parking site itself, especially address information.	versionedIdentifiable	no
ParkingRecord	Parking record	A container for static parking information. Must be specialised as a parking site or as a group of parking sites.	versionedIdentifiable	yes
ParkingRoute	Parking route	A parking route, defined by ParkingRouteDetails or by a reference.		yes
ParkingRouteByReference	Parking route by reference	A route defined by a reference to an earlier specified route.		no
ParkingRouteDetails	Parking route details	Urban context: Defining parking routes leading to the parking site. Truck parking context: Can be used to define a dynamic route management.	versionedIdentifiable	no
ParkingThresholds	Parking thresholds	Configuration parameters of the parking site, used among others for the dynamic attribute 'parkingStatus'. This component or all elements of it can be overridden in the dynamic model.		no
ParkingVMS	Parking v m s	A reference to a record that contains the metadata for a specific VMS unit that may be used to manage the parking site (e.g. to indicate to drivers the current availability of spaces).		no
PermitsAndProhibitions	Permits and prohibitions	Defines sets of action and regulations to specify permitted and prohibited issues.		no
RGBColour	R g b colour	An RGB colour described by values for red, green and blue (0..255) as well as an optional name.		no

Table 13— Classes of the "ParkingRecord" package

A.2.5.2   **"ParkingRecord" package association roles**

Class name	Role name	Designation	Definition	Multiplicity	Target
Contact	validityOfContact	Validity of contact		0..1	OverallPeriod
ParkingRecord	assignedParkingAmongOthers	Assigned parking among others	Assignments for parking. Other assignments are allowed as well, i.e. the parking spaces are convenient for this kind of assignment.	0..1	ParkingAssignment
	emergencyAssemblyPoint	Emergency assembly point	Some geographic location(s) within or nearby the parking, where people have to meet in case of a fire, for example.	0..1	GroupOfLocations
	emergencyContact	Emergency contact	Contact to be used in times of emergencies.	0..*	Contact
	entireArea	Entire area	An underlaying area this parking record is located in or belongs to. Examples are a state, province, truck parking area etc. A name can be specified in the area structure.	0..1	Area
	groupOfParkingSpaces	Group of parking spaces	Properties for a group of parking spaces. Usually, all properties specified have to be the same for all spaces included. This aggregation may only be used with the "GroupOfParkingSpaces" specialisation.	1..1	ParkingSpaceBasics
	onlyAssignedParking	Only assigned parking	Parking is only allowed for the assignment given in this class, i.e. other assignments are not allowed. By using this role, it is not allowed to use 'assignedParkingAmongOthers' and 'prohibitedParking' for the same type of attributes.	0..1	ParkingAssignment
	operator	Operator	Contact details of the operator of the parking facility.	0..*	Contact
	owner	Owner	Contact details of the owner of the parking facility.	0..*	Contact
	parkingColour	Parking colour	A colour, which can be assigned to the parking. Often used with parking areas for a quick visual distinction.	0..1	RGBColour

Class name	Role name	Designation	Definition	Multiplicity	Target
	parkingLocation	Parking location	The location(s) or the extent of the parking. Examples could be an Area for parking area, a Point location for an urban parking facility or a Linear for on street parking.	1..1	GroupOfLocations
	parkingRecordDimension	Parking record dimension	Dimension either of the building or a virtual rectangle encapsulating the parking site(s). Use 'dimensionUsableArea' to define the total space available for parking. Use 'dimensionHeight' only for a building, not for the restriction of vehicles.	0..1	Dimension
	parkingSpace	Parking space	Properties of a single parking space. This aggregation may only be used with the "ParkingSpace" specialisation.	1..1	ParkingSpaceBasics
	prohibitedParking	Prohibited parking	Parking is not allowed for the given assignment.	0..1	ParkingAssignment
	responisbleAuthority	Responisble authority	Contact details of the responsible authority of the parking facility or parking area.	0..*	Contact
	securityService	Security service	Contact details of one or more security services of the parking facility.	0..*	Contact
	servicePartner	Service partner	Contact details of a service partner of the parking record, i.e. the person or organisation that should be contacted to provide servicing or support services for equipment at the parking.	0..*	Contact
ParkingRoute	parkingRouteColour	Parking route colour	A colour assigned to a parking route for visualisation purpose.	0..1	RGBColour
ParkingVMS	vmsOperator	VMS operator		0..*	Contact

Table 14— Associations of the "ParkingRecord" package

A.2.5.3 **"ParkingRecord" package attributes**

Class name	Attribute name	Designation	Definition	Multiplicity	Type
Contact	contactNotDefined	Contact not defined	When true, there is currently no contact defined for the selected role and/or timeframe. Don't use the specialisations in this case.	0..1	Boolean
	contactUnknown	Contact unknown	When true, the contact for the selected role and/or timeframe is unknown. Don't use the specialisations in this case.	0..1	Boolean
ContactByReference	contactReference	Contact reference	Contact information provided by a reference.	1..1	VersionedReference
ContactDetails	available24hours	Available24hours	Specifies if the availability is 24 hours a day. If omitted, this information is unknown or heterogeneous.	0..1	Boolean
	contactDetailsAddress	Contact details address	Complete address of the contact. Alternatively use the separate fields to describe the address.	0..1	MultilingualString
	contactDetailsCity	Contact details city	City of the contact.	0..1	MultilingualString
	contactDetailsEMail	Contact details e mail	E-Mail address of the contact.	0..1	String
	contactDetailsFax	Contact details fax	Fax of the contact.	0..1	String
	contactDetailsHouseNumber	Contact details house number	House number of the contact. Supports a multiplicity up to two, to specify lower and upper numbers.	0..2	String
	contactDetailsLanguage	Contact details language	Language(s) this contact is able to speak resp. understand.	0..*	Language
	contactDetailsLogoUrl	Contact details logo url	Url to define a logo of this contact.	0..1	Url
	contactDetailsMoreInfo	Contact details more info	Additional information relating to the contact.	0..*	MultilingualString
	contactDetailsOwnership	Contact details ownership	Information if the contact in question is a private or public institution.	0..1	OwnershipTypeEnum
	contactDetailsPostcode	Contact details postcode	Postcode of the contact.	0..1	String
	contactDetailsResponsibility	Contact details responsibility	Specification of what service or equipment the contact is responsible for.	0..*	MultilingualString
	contactDetailsStreet	Contact details street	Street of the contact.	0..1	String

Class name	Attribute name	Designation	Definition	Multiplicity	Type
	contactDetailsTelephoneNumber	Contact details telephone number	Telephone Number of contact.	0..1	String
	contactOrganisationName	Contact organisation name	Name of the organisation or service. Do not use this attribute in combination with role "parkingSiteAddress".	0..1	MultilingualString
	contactPersonFirstName	Contact person first name	First name of the contact person.	0..1	String
	contactPersonName	Contact person name	Name of the contact person.	0..1	String
	contactPersonPosition	Contact person position	The position of the contact person.	0..1	MultilingualString
	country	Country	ISO 3166-1 two character country code.	0..1	CountryEnum
	publishingAgreement	Publishing agreement	Indication, whether the contact accepted publishing its contact information.	0..1	Boolean
	urlLinkAddress	URL link address	A Uniform Resource Locator (URL) address pointing to a resource available on the Internet from where further relevant information may be obtained.	0..1	Url
ParkingRecord	maximumParkingDuration	Maximum parking duration	The maximum parking duration for a parking record, a parking space or a group of parking spaces (e.g. to avoid overnight parking).	0..1	Seconds
	parkingAlias	Parking alias	Alternative name for the parking site or the group of parking sites.	0..*	MultilingualString
	parkingDescription	Parking description	Additional description of the parking site or the group of parking sites.	0..1	MultilingualString
	parkingName	Parking name	Name of the parking, i.e. name of the parking site or the group of parking sites.	0..1	MultilingualString
	parkingNumberOfSpaces	Parking number of spaces	Number of parking spaces (attribute is used for a parking record as well as for a group of parking spaces).	0..1	NonNegativeInteger

Class name	Attribute name	Designation	Definition	Multiplicity	Type
	parkingOccupanyDetectionType	Parking occupany detection type	Type of parking occupancy detection for a parking record, a parking space or a group of parking spaces, if any (balancing, single slot, ...).	0..*	OccupancyDetectionTypeEnum
	parkingPrincipalNumberOfSpaces	Parking principal number of spaces	Number of parking spaces that are not assigned for a particular purpose.	0..1	NonNegativeInteger
	parkingRecordVersionTime	Parking record version time	Date/time that this version of the parking record was defined.	1..1	DateTime
	photoUrl	Photo url	Specifies a URL at which a photo of the object in concern can be found.	0..1	Url
	urlLinkAddress	URL link address	A Uniform Resource Locator (URL) address pointing to a resource available on the Internet from where further relevant information may be obtained.	0..1	Url
ParkingRouteByReference	parkingRouteReference	Parking route reference	A reference to a parking route.	1..1	VersionedReference
ParkingRouteDetails	dynamicRouteManagement	Dynamic route management	Indicates that there is dynamic route management for truck parking, i.e. a management system concerning several truck parkings (including this one) along a route.	0..1	Boolean
	parkingRouteDirection	Parking route direction	The direction of traffic, for which the parking route can be used. If not specified, the route can be used in the order of the given locations.	0..1	DirectionEnum
	parkingRouteDirection2	Parking route direction2	Additional directions of traffic, for which the parking route can be used. If not specified, the route can be used in the order of the given locations.	0..1	ParkingRouteDirectionEnum
	parkingRouteIconIndex	Parking route icon index	An index, which can identify some icon for visualisation of the route. Note that form and usage of this index as well as the icons itself are not further determined here.	0..1	String
	parkingRouteName	Parking route name	Name of the parking route.	0..1	MultilingualString

Class name	Attribute name	Designation	Definition	Multiplicity	Type
	parkingRouteType	Parking route type	The type of parking route. If not specified, the route is designed for any type of vehicles.	0..1	ParkingRouteTypeEnum
ParkingThresholds	almostFullDecreasing	Almost full decreasing	The number of available spaces above which the state of the parking site is considered to change from 'almost full' to 'spaces available' as the parking site's occupancy decreases. Must be greater than 'almostFullIncreasing' value.	0..1	NonNegativeInteger
	almostFullIncreasing	Almost full increasing	The number of available spaces below which the state of the site is considered to change from 'spaces available' to 'almost full' as the site's occupancy increases. Must be lower or equal to 'almostFullDecreasing' and greater 'fullDecreasing'.	0..1	NonNegativeInteger
	entranceFull	Entrance full	The number of available spaces below which the parking site is considered to be 'full' at its entrance (e.g. full sign is displayed at entrance or on managing VMS).	0..1	NonNegativeInteger
	fullDecreasing	Full decreasing	The number of available spaces above which the state of the parking site is considered to change from 'full' to 'almost full' as the site's occupancy decreases. Must be greater or equal to 'fullIncreasing' value and lower than 'almostFullIncreasing'.	0..1	NonNegativeInteger
	fullIncreasing	Full increasing	The number of available spaces below which the state of the parking site is considered to change from 'almost full' to 'full' as the site's occupancy increases. Must be lower than or equal to 'fullDecreasing' value.	0..1	NonNegativeInteger

Class name	Attribute name	Designation	Definition	Multiplicity	Type
	overcrowding	Overcrowding	The number of vehicles on the parking above which the overcrowding state of the parking site is considered to change to 'overcrowding'. Can be used as an alternative to the overcrowding level attributes.	0..1	NonNegativeInteger
	overcrowdingLevel1	Overcrowding level1	The number of vehicles on the parking site above which the overcrowding state of the parking site is considered to change from 'noOvercrowding' to 'overcrowdingLevel1'. Must be lower than the 'overcrowdingLevel2' value.	0..1	NonNegativeInteger
	overcrowdingLevel2	Overcrowding level2	The number of vehicles on the parking site above which the overcrowding state of the parking site is considered to change from 'overcrowdingLevel1' to 'overcrowdingLevel2'. Must be greater than the 'overcrowdingLevel1' value.	0..1	NonNegativeInteger
	parkingLastMaximumOccupancy	Parking last maximum occupancy	The last known occupancy (number of parking vehicles on the site) under safe conditions.	0..1	NonNegativeInteger
ParkingVMS	vmsUnitUsedToManageParking	VMS unit used to manage parking	A reference to a record that contains the metadata for a specific VMS unit that may be used to manage the parking site (e.g. to indicate to drivers the current availability of spaces).	1..1	VersionedReference
PermitsAndProhibitions	activity	Activity	An activity, which is regulated.	1..1	RestAreaActivityEnum
	regulation	Regulation	Regulation for the specified activity.	1..1	RegulationEnum
RGBColour	colourName	Colour name	The name of the colour.	0..1	MultilingualString
	rgbBlueValue	Rgb blue value	The blue value of the RGB colour (0..255).	1..1	NonNegativeInteger
	rgbGreenValue	Rgb green value	The green value of the RGB colour (0..255).	1..1	NonNegativeInteger
	rgbRedValue	Rgb red value	The red value of the RGB colour (0..255).	1..1	NonNegativeInteger

Table 15— Attributes of the "ParkingRecord" package

A.2.6 "ParkingRecordStatus" package

A.2.6.1 "ParkingRecordStatus" package classes

Class name	Designation	Definition	Stereotype	Abstract
GroupOfParkingSitesStatus	Group of parking sites status	Dynamic status information for the static object 'GroupOfParkingSites'.		no
GroupOfParkingSpacesStatus	Group of parking spaces status	The status of the assigned parking spaces in the specified parking site, i.e. the status of those spaces assigned for particular types of person or vehicle and/or for specific duration types (e.g. short stay).		no
ParkingAccessStatus	Parking access status	The opening and fault status of one access.		no
ParkingEquipmentOrServiceFacilityStatus	Parking equipment or service facility status	The number of E&S can be overridden here (for example during restoration). Furthermore, the current availability of E&S can be given (for example number of free electric charging stations). The E&S are identified from the static model by an index.		no
ParkingOccupancy	Parking occupancy	Parking capacity information for the parking site as well as for AssignedParkingSpaces.		no
ParkingRecordStatus	Parking record status	Contains the current status of one parking record defined in the static model (i.e. parking site or group of parking sites) or historical or forecasted data for one parking. Only for the second case, 'parkingStatusTime' must be specified.		yes
ParkingRouteStatus	Parking route status	The status of a parking route (active/inactive) defined in the static part of the model.		no
ParkingSiteStatus	Parking site status	Dynamic status information for the static object 'ParkingSite'.		no
ParkingSpaceStatus	Parking space status	Status (occupied or closed) for a single parking space which was defined in the static part of the model.		no
ParkingStatusValidity	Parking status validity	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.		no
ParkingUsageScenarioStatus	Parking usage scenario status	The current status for this parking usage scenario.		no

Table 16— Classes of the "ParkingRecordStatus" package

A.2.6.2   "ParkingRecordStatus" package association roles

Class name	Role name	Designation	Definition	Multiplicity	Target
ParkingRecordStatus	overrideParkingThresholds	Override parking thresholds	Possibility to override the thresholds for the parking, which are in principle defined in the static part of the model (ParkingStatusPublication).	0..1	ParkingThresholds
ParkingStatusValidity	validityTimeSpecification	Validity time specification	A specification of periods of validity defined by overall bounding start and end times and the possible intersection of valid periods with exception periods (exception periods overriding valid periods).	0..1	OverallPeriod

Table 17— Associations of the "ParkingRecordStatus" package

A.2.6.3   "ParkingRecordStatus" package attributes

Class name	Attribute name	Designation	Definition	Multiplicity	Type
GroupOfParkingSitesStatus	groupOfParkingSitesStatus	Group of parking sites status	The status of the group of parking sites (available spaces or not).	0..1	GroupOfParkingSitesStatusEnum
GroupOfParkingSpacesStatus	groupDeclarationValidNow	Group declaration valid now	Override validity of AssignedParkingSpaces: True = Parking space declaration is valid now; False = Parking space declaration is invalid now; Omitted = Static validity information is significant (if static validity is omitted too, declaration is valid).	0..1	Boolean
	groupOfParkingSpacesClosed	Group of parking spaces closed	True: The group of parking spaces is closed / not accessible. False or omitted: The group of parking spaces is accessible. This is no statement about its occupation.	0..1	Boolean
ParkingAccessStatus	accessFault	Access fault	A fault indicator for this special access.	0..*	ParkingFaultEnum
	accessOpeningStatus	Access opening status	The opening status of this access.	0..1	OpeningStatusEnum
	accessReference	Access reference	The reference to an access defined in the static part of the model.	1..1	Reference
ParkingEquipmentOrServiceFacilityStatus	equipmentOperationStatus	Equipment operation status	Specifies whether this equipment is available / is in operation or not.	0..1	OperationStatusEnum
	numberOfEquipmentOrServiceFacilityOverride	Number of equipment or service facility override	Overrides the static value 'numberOfEquipmentOrServiceFacility' (for example because of long- or midterm closures, such as renovation).	0..1	NonNegativeInteger
	numberOfSubitemsOverride	Number of subitems override	Overrides the static value 'numberOfSubitems' (for example because of long- or midterm closures, such as renovation).	0..1	NonNegativeInteger
	serviceFacilityOpeningStatus	Service facility opening status	Specifies whether this service facility is open or not.	0..1	OpeningStatusEnum
	vacantEquipmentOrServiceFacilitySubitems	Vacant equipment or service facility subitems	Sets the number of currently vacant elements of either equipment (e.g. free toilets) or service facility sub items (e.g. free restaurant places).	0..1	NonNegativeInteger

Class name	Attribute name	Designation	Definition	Multiplicity	Type
ParkingOccupancy	parkingNotAllowed	Parking not allowed	In case of 'true', parking is not allowed (e.g. abnormal closure).	0..1	Boolean
	parkingNumberOfOccupiedSpaces	Parking number of occupied spaces	The number of currently occupied spaces in the specified parking site, group of parking sites or assigned parking.	0..1	NonNegativeInteger
	parkingNumberOfSpacesOverride	Parking number of spaces override	Possibility to override the static value 'parkingNumberOfSpaces'.	0..1	NonNegativeInteger
	parkingNumberOfVacantSpaces	Parking number of vacant spaces	The total number of currently vacant parking spaces available in the specified parking site, group of parking sites or group of parking spaces.	0..1	NonNegativeInteger
	parkingNumberOfVacantSpacesGraded	Parking number of vacant spaces graded	Number of vacant spaces by grading (enumeration).	0..1	ParkingVacantSpacesEnum
	parkingNumberOfVacantSpacesHigherThan	Parking number of vacant spaces higher than	The number of vacant parking spaces is higher than the given value (example: More than 10 spaces are free).	0..1	NonNegativeInteger
	parkingNumberOfVacantSpacesLowerThan	Parking number of vacant spaces lower than	The number of vacant parking spaces is lower than the given value (example: Less than 10 spaces are free).	0..1	NonNegativeInteger
	parkingNumberOfVehicles	Parking number of vehicles	Number of vehicles (of specified type) on the parking site, the group of parking sites or the group of parking spaces. Parking too narrow or too wide may effect differences to the 'occupiedSpaces' value. Should not include petrol station traffic.	0..1	NonNegativeInteger
	parkingOccupancy	Parking occupancy	The percentage value of parking spaces occupied in the specified parking site, group of parking sites or assigned parking.	0..1	Percentage
	parkingOccupancyGraded	Parking occupancy graded	Occupied parking spaces by a percentage-grading (enumeration).	0..1	ParkingOccupancyEnum
	parkingOccupancyTrend	Parking occupancy trend	The trend of the occupancy of the parking spaces in the specified parking site, group of parking sites or assigned parking.	0..1	ParkingOccupancyTrendEnum

Class name	Attribute name	Designation	Definition	Multiplicity	Type
ParkingRecordStatus	blurredAvailability	Blurred availability	When true, all information about availability (free spaces etc.) is blurred (usually because of business competition).	0..*	Boolean
	parkingConditions	Parking conditions	Defines if normal parking conditions are suspended or special parking conditions are in force.	0..1	ParkingConditionsEnum
	parkingFault	Parking fault	A fault indicator for the parking site.	0..*	ParkingFaultEnum
	parkingQueueingTime	Parking queueing time	The current queuing time (duration) for entering the parking site.	0..1	Seconds
	parkingRecordReference	Parking record reference	A reference to a static parking record object, i.e. a parking site or a group of parking sites.	1..1	VersionedReference
	parkingStatusDescription	Parking status description	Additional textual information about the parking status. Can also be used as an alternative in case the enumeration values for 'parkingSiteStatus' or 'groupOfParkingSitesStatus' do not fit.	0..1	MultilingualString
	parkingStatusOriginTime	Parking status origin time	The time when the information in this message was generated. Unless 'ParkingStatusValidity' is used, this is also the time the information in this message refers to.	1..1	DateTime
	winterEquipmentManagementType	Winter equipment management type	Type of winter equipment management action instigated by operator.	0..*	WinterEquipmentManagementTypeEnum
ParkingRouteStatus	parkingRouteActive	Parking route active	Defines if this parking route is currently active or not.	1..1	Boolean
	parkingRouteReference	Parking route reference	A reference to a parking route.	1..1	VersionedReference
ParkingSiteStatus	parkingSiteFullAtFloor	Parking site full at floor	The parking site is full at the specified floor(s).	0..*	Integer
	parkingSiteOpeningStatus	Parking site opening status	The opening status of the parking site (open or not).	0..1	OpeningStatusEnum

Class name	Attribute name	Designation	Definition	Multiplicity	Type
	parkingSiteOvercrowdingStatus	Parking site overcrowding status	The overcrowding status of the parking site. Choose between using a two-stage approach or the more general statement '(not) overcrowding'. You can sharpen this information by using the 'Thresholds' component.	0..1	ParkingSiteOvercrowdingStatusEnum
	parkingSiteStatus	Parking site status	The status of the parking site (spaces available or not).	0..1	ParkingSiteStatusEnum
ParkingSpaceStatus	lastCalibration	Last calibration	Date of last calibration of the detection system in question.	0..1	DateTime
	measurementOrCalculationTime	Measurement or calculation time	Point in time at which this specific value or set of values has been measured or calculated. It may also be a future time at which a data value is predicted.	0..1	DateTime
	parkingSpaceClosed	Parking space closed	True: The parking space is closed / not accessible. False or omitted: The parking space is accessible. This is no statement about its occupation.	0..1	Boolean
	parkingSpaceDeclarationValidNow	Parking space declaration valid now	Override validity of 'ParkingSpace': True = Parking space declaration is valid now; False = Parking space declaration is invalid now; Omitted = Static validity information is significant (if static validity is omitted too, declaration is valid).	0..1	Boolean
	parkingSpaceOccupied	Parking space occupied	True: Parking space is occupied; False: Parking space is free.	1..1	Boolean
ParkingStatusValidity	parkingStatusTime	Parking status time	Only use for forecasts or historical data to express the point of time for which the information of this parking is either reported or forecasted. Alternately you can define this point of time as an offset with 'parkingStatusTimeOffsetToOrigin'.	0..1	DateTime

Class name	Attribute name	Designation	Definition	Multiplicity	Type
	parkingStatusTimeOffsetToOrigin	Parking status time offset to origin	Only use for forecasts or historical data to express the point of time for which the information of this parking is either reported or forecasted (in form of an offset in seconds to 'parkingStatusOriginTime'; use negative values for historical data).	0..1	Seconds
ParkingUsageScenarioStatus	usageScenarioOperationStatus	Usage scenario operation status	The current status for this parking usage scenario.	1..1	OperationStatusEnum

Table 18— Attributes of the "ParkingRecordStatus" package

A.2.7 "ParkingSite" package

A.2.7.1 "ParkingSite" package classes

Class name	Designation	Definition	Stereotype	Abstract
InterUrbanParkingSite	Inter urban parking site	A parking site in an interurban context.		no
ParkingSite	Parking site	A record containing static details of a parking site. Must be specialised as an 'Urban-' or 'InterUrbanParkingSite' or a 'SpecialLocationParkingSite'.		yes
ParkingUsageScenario	Parking usage scenario	A special type of usage available for the parking site or the group of parking spaces. In the 'ParkingStatusPublication', the operation type (in operation or not) can be defined.		no
SpecialLocationParkingSite	Special location parking site	A parking site which is located at a special location, often associated with some building.		no
UrbanParkingSite	Urban parking site	A parking site in an urban context.		no

Table 19— Classes of the "ParkingSite" package

A.2.7.2 "ParkingSite" package association roles

Class name	Role name	Designation	Definition	Multiplicity	Target
ParkingSite	parkingSiteAddress	Parking site address	Information about the parking site itself (address etc.). The 'GroupOfLocations' association must not be used for this role.	0..*	Contact
	reservationService	Reservation service	Reservation service (for end users). It is recommended to give URL and telephone.	0..*	Contact
ParkingUsageScenario	scenarioAvailability	Scenario availability		0..1	OverallPeriod

Table 20— Associations of the "ParkingSite" package

A.2.7.3 **"ParkingSite" package attributes**

Class name	Attribute name	Designation	Definition	Multiplicity	Type
InterUrbanParkingSite	interUrbanParkingSiteLocation	Inter urban parking site location	Defines whether the interurban parking site is located in or nearby a motorway context, is a layby or on-street parking.	1..1	InterUrbanParkingSiteLocationEnum
ParkingSite	highestFloor	Highest floor	Highest floor of the parking site. It is possible to have negative values here in case it is underground only. Must be higher or equal than 'lowestFloor'.	0..1	Integer
	lowestFloor	Lowest floor	Lowest floor of the parking site. Positive values may apply in case it is over ground only. Must be lower or equal than 'highestFloor'.	0..1	Integer
	parkingLayout	Parking layout	Layout of the parking site.	0..*	ParkingLayoutEnum
	parkingReservation	Parking reservation	Indication of whether a parking reservation service is available and/or mandatory.	0..1	ReservationTypeEnum
	temporaryParking	Temporary parking	Indicates that the parking site is on a temporary basis. It might close permanently within short notice or might only be partial equipped. The physical parking possibilities might be provisional, too.	0..1	Boolean
ParkingUsageScenario	eventParkingType	Event parking type	Parking associated with an event. May only be used for parking scenario 'eventParking'.	0..1	PublicEventTypeEnum
	eventParkingType2	Event parking type2	Parking associated with an event. May only be used for parking scenario 'eventParking'.	0..1	PublicEventType2Enum
	parkingUsageScenario	Parking usage scenario	A special type of usage available for the parking site or a group of parking spaces. In the 'ParkingStatusPublication', the operation type (in operation or not) can be defined.	1..1	ParkingUsageScenarioEnum

Class name	Attribute name	Designation	Definition	Multiplicity	Type
	truckParkingDynamic Management	Truck parking dynamic management	Two modes for parking lorries in a efficient way according to their departure times. May only be used for parking scenario 'truckParking'.	0..*	TruckParkingDynamicManagementEnum
SpecialLocationParkingSite	parkingOtherSpecialLocation	Parking other special location	A special location not available in the enumeration. Use literal 'other' in this case.	0..1	MultilingualString
	parkingSpecialLocation	Parking special location	The special location of the parking site.	1..1	ParkingSpecialLocationEnum
UrbanParkingSite	parkingZone	Parking zone	Name or identifier of a parking zone this parking site belongs to. To be filled with the string value 'True', if there is a parking zone with unknown name.	0..1	MultilingualString
	urbanParkingSiteType	Urban parking site type	The type of urban parking site.	1..1	UrbanParkingSiteTypeEnum

Table 21— Attributes of the "ParkingSite" package

A.2.8 "ParkingSpace" package

A.2.8.1 "ParkingSpace" package classes

Class name	Designation	Definition	Stereotype	Abstract
Dimension	Dimension	A component that provides dimension information. The product of width and height must not be necessarily be the square footage (e.g. in multi-storey buildings or when some zones are not part of the square footage).		no
GroupOfParkingSpaces	Group of parking spaces	A group of parking spaces. All information provided has to be identical for all places in this group. Can also be used just to give the number of lorry parkings, for example. 'GroupOfParkingSpaces' may be multiple defined or include each other.		no
ParkingSpace	Parking space	A single parking space. It is possible to define the same parking space more than once with different properties, e.g. when there is a different parking assignment for different times.		no

Table 22— Classes of the "ParkingSpace" package

A.2.8.2   "ParkingSpace" package association roles

Class name	Role name	Designation	Definition	Multiplicity	Target
GroupOfParkingSpaces	dimensionOfGroup	Dimension of group	Dimension of a virtual rectangle encapsulating the group of parking spaces. Use 'dimensionUsableArea' to define the total space available for parking within this group. Do not use 'dimensionHeight'.	0..1	Dimension
	maximumParkingSpaceDimension	Maximum parking space dimension	Dimension of the largest space within this group (i.e. there must be at least one space of this dimension). If the comparison of dimension values is not unique, the length is decisive.	0..1	Dimension
	minimumParkingSpaceDimension	Minimum parking space dimension	Lower dimension boundaries for all spaces within the group. Note that there must not exist a space with this dimension, but each space's dimension values must be equal or higher.	0..1	Dimension
ParkingSpace	parkingSpaceDimension	Parking space dimension	Dimension of the parking space (not all dimension attributes need to be provided). If the parking space is not rectangular, its dimension is specified as the smallest rectangle fitting inside its shape.	0..1	Dimension

Table 23— Associations of the "ParkingSpace" package

A.2.8.3 "ParkingSpace" package attributes

Class name	Attribute name	Designation	Definition	Multiplicity	Type
Dimension	dimensionHeight	Dimension height	Height.	0..1	MetresAsFloat
	dimensionLength	Dimension length	Length.	0..1	MetresAsFloat
	dimensionUsableArea	Dimension usable area	The area measured in square metres, that is available for some specific purpose.	0..1	SquareMetres
	dimensionWidth	Dimension width	Width.	0..1	MetresAsFloat
GroupOfParkingSpaces	identicalToGroup	Identical to group	Points to another instance of 'GroupOfParkingSpaces', which is identical from a local point of view. To be used when defining mixed parking areas with different time slots.	0..*	IndexReference
	parkingNumberOfSpaces	Parking number of spaces	Number of parking spaces (attribute is used for a parking record as well as for a group of parking spaces).	1..1	NonNegativeInteger
	parkingTypeOfGroup	Parking type of group	Defines the type of this group specification.	1..1	ParkingTypeOfGroup
	realSubsetOfGroup	Real subset of group	Points to another instance of 'GroupOfParkingSpaces', which is a real superset from a local point of view. To be used when defining mixed parking areas with different time slots.	0..*	IndexReference
ParkingSpace	identicalToParkingSpace	Identical to parking space	Points to another instance of 'ParkingSpace', which is identical from a local point of view (i.e. which is the same parking space). To be used when defining mixed parking areas (with using different time slots).	0..*	IndexReference

Table 24— Attributes of the "ParkingSpace" package

A.2.9 "ParkingSpaceBasics" package

A.2.9.1   "ParkingSpaceBasics" package classes

Class name	Designation	Definition	Stereotype	Abstract
DedicatedAccess	Dedicated access	Reference to an access of any type (vehicles, pedestrian, ...).		no
ParkingAssignment	Parking assignment	One set of prohibited/only allowed/convenient assignment for parking space(s), parking site(s) or an access. Same kind of data forms a union (e.g. lorries OR buses), different kind of data forms an intersection (e.g. residents AND long-term).		no
ParkingPermit	Parking permit	A permission for parking.		no
ParkingSpaceBasics	Parking space basics	Common properties of parking spaces and groups of parking spaces.		yes

Table 25— Classes of the "ParkingSpaceBasics" package

A.2.9.2   "ParkingSpaceBasics" package association roles

Class name	Role name	Designation	Definition	Multiplicity	Target
ParkingSpaceBasics	assignedParkingAmongOthers	Assigned parking among others	Assignments for parking. Other assignments are allowed as well, i.e. the parking spaces are convenient for this kind of assignment.	0..1	ParkingAssignment
	onlyAssignedParking	Only assigned parking	Parking is only allowed for the assignment given in this class, i.e. other assignments are not allowed. By using this role, it is not allowed to use 'assignedParkingAmongOthers' and 'prohibitedParking' for the same type of attributes.	0..1	ParkingAssignment
	prohibitedParking	Prohibited parking	Parking is not allowed for the given assignment.	0..1	ParkingAssignment

Table 26— Associations of the "ParkingSpaceBasics" package

A.2.9.3   "ParkingSpaceBasics" package attributes

Class name	Attribute name	Designation	Definition	Multiplicity	Type
DedicatedAccess	dedicatedAccess	Dedicated access	Specifies a reference to an access, object (i.e. an entrance, an exit or both). A Point location and further characteristics can be specified for those objects.	1..1	Reference
	distanceFromParkingSpace	Distance from parking space	Distance from this access to the parking space or group of parking spaces. Especially interesting for handicapped people on the one hand or in case of the need of changing the side of a motorway.	0..1	MetresAsNonNegativeInteger
ParkingAssignment	applicableForUser	Applicable for user	Limitation to a set of special users.	0..*	UserTypeEnum
	parkingDuration	Parking duration	Temporal parking classification for this assignment (long term, short term, ...). Depending on the used role, these classifications are either assigned or prohibited.	0..*	ParkingDurationEnum
ParkingPermit	parkingPermitIdentifier	Parking permit identifier	Identifier of permission for parking.	0..1	String
	parkingPermitScheme	Parking permit scheme	Scheme of permission for parking.	0..1	String
	parkingPermitType	Parking permit type	Type of permission for parking.	1..1	PermitTypeEnum
ParkingSpaceBasics	accessibility	Accessibility	Information on accessibility, easements and marking for handicapped people.	0..*	AccessibilityEnum
	distanceFromPrimaryRoad	Distance from primary road	Specifies the distance from the primary road in metres. Especially useful, if parking is located on a smaller type of road.	0..1	MetresAsNonNegativeInteger
	maximumParkingDuration	Maximum parking duration	The maximum parking duration for a parking record, a parking space or a group of parking spaces (e.g. to avoid overnight parking).	0..1	Seconds
	parkingFloorOrLevel	Parking floor or level	The floor or level of the parking site on which the assigned parking spaces are located.	0..1	Integer

Class name	Attribute name	Designation	Definition	Multiplicity	Type
	parkingMode	Parking mode	The arrangement of the parking space or the group of parking spaces in relation to the road.	0..1	ParkingModeEnum
	parkingOccupanyDetectionType	Parking occupany detection type	Type of parking occupancy detection for a parking record, a parking space or a group of parking spaces, if any (balancing, single slot, ...).	0..*	OccupancyDetectionTypeEnum
	parkingReservation	Parking reservation	Indication of whether a parking reservation service is available and/or mandatory.	0..1	ReservationTypeEnum
	parkingSecurity	Parking security	Specifies security measures related to the parking site or particular spaces.	0..*	ParkingSecurityEnum
	parkingSpaceAccessibility	Parking space accessibility	Further easements for handicapped people related to this parking space or this group of parking spaces.	0..*	ParkingSpaceAccessibilityEnum
	parkingSpaceOrGroupIdentifier	Parking space or group identifier	A public identifier or short description for the parking space or group of parking spaces, for example "6D" or "Truck parking west".	0..1	MultilingualString
	parkingSpacePhysics	Parking space physics	Specifies 'driveThrough' or 'openAir' for the parking space or the group of parking spaces.	0..2	ParkingSpacePhysicsEnum

Table 27— Attributes of the "ParkingSpaceBasics" package

A.2.10 "ParkingStandardsAndSecurity" package

A.2.10.1 "ParkingStandardsAndSecurity" package classes

Class name	Designation	Definition	Stereotype	Abstract
ParkingStandardsAndSecurity	Parking standards and security	Security measures and standards or standard-like categorization for a parking site.		no

Table 28— Classes of the "ParkingStandardsAndSecurity" package

A.2.10.2 "ParkingStandardsAndSecurity" package association roles

There are no defined association roles in the "ParkingStandardsAndSecurity" package.

A.2.10.3 "ParkingStandardsAndSecurity" package attributes

Class name	Attribute name	Designation	Definition	Multiplicity	Type
ParkingStandardsAnd Security	certifiedSecureParking	Certified secure parking	Presence of a certification for secure parking.	0..1	Boolean
	dateOfCertification	Date of certification	Date of certification.	0..1	Date
	labelSecurityLevel	Label security level	Formal assessment for the security level defined by the LABEL project http://truckparkinglabel.eu.	0..1	LABELSecurityLevelEnum
	labelSecurityLevelSelf Assessment	Label security level self assessment	Self-assessment for the security level defined by the LABEL project http://truckparkinglabel.eu.	0..1	LABELSecurityLevelEnum
	labelServiceLevel	Label service level	Formal assessment for the service level defined by the LABEL project http://truckparkinglabel.eu.	0..1	LABELServiceLevelEnum
	labelServiceLevelSelfAssessment	Label service level self assessment	Self-assessment for the service level defined by the LABEL project http://truckparkinglabel.eu.	0..1	LABELServiceLevelEnum
	parkingAdditionalSecurity	Parking additional security	Security equipment of the parking site that is not covered by the enumeration 'ParkingSecurityEnum'.	0..*	MultilingualString
	parkingSecurity	Parking security	Specifies security measures related to the parking site or particular spaces.	0..*	ParkingSecurityEnum
	parkingSecurityNationalClassification	Parking security national classification	A national classification of the parking security.	0..1	MultilingualString
	parkingSupervision	Parking supervision	Defines the kind of supervision of the parking site.	0..*	ParkingSupervisionEnum

Table 29— Attributes of the "ParkingStandardsAndSecurity" package

A.2.11 "ParkingStatusPublication" package

A.2.11.1 "ParkingStatusPublication" package classes

Class name	Designation	Definition	Stereotype	Abstract
ParkingStatusPublication	Parking status publication	A publication containing the current status of one or more parking sites and/or group of parking sites.		no

Table 30— Classes of the "ParkingStatusPublication" package

A.2.11.2 "ParkingStatusPublication" package association roles

There are no defined association roles in the "ParkingStatusPublication" package.

A.2.11.3 "ParkingStatusPublication" package attributes

Class name	Attribute name	Designation	Definition	Multiplicity	Type
ParkingStatusPublication	parkingTableReference	Parking table reference	It is possible to limit the publication to one or more ParkingTable and to set a reference to these tables here.	0..*	VersionedReference

Table 31— Attributes of the "ParkingStatusPublication" package

A.2.12 "ParkingTablePublication" package

A.2.12.1 "ParkingTablePublication" package classes

Class name	Designation	Definition	Stereotype	Abstract
GroupOfParkingSites	Group of parking sites	A logical composition of parking sites with aggregated properties (e.g. number of spaces). Examples: Urban parking area "West" or all truck parkings along a motorway. The included parking sites may - but must not- be specified as subcomponents.		no
ParkingStatusColourMapping	Parking status colour mapping	Defines a pair of 'parkingSiteStatus' and a corresponding colour.		no
ParkingTable	Parking table	A collection of parking records, which can be parking sites or groups of parking sites.	versionedIdentifiable	no
ParkingTablePublication	Parking table publication	A publication defining one or more tables that have entries of parking sites or groups of them, located in an urban or interurban context.		no

Table 32— Classes of the "ParkingTablePublication" package

A.2.12.2 "ParkingTablePublication" package association roles

There are no defined association roles in the "ParkingTablePublication" package.

A.2.12.3 "ParkingTablePublication" package attributes

Class name	Attribute name	Designation	Definition	Multiplicity	Type
GroupOfParkingSites	groupOfParkingSitesType	Group of parking sites type	The type of this group of parking sites.	0..1	GroupOfParkingSitesTypeEnum
	parkingSiteByReference	Parking site by reference	Parking sites of this collection defined by reference.	0..*	VersionedReference
ParkingStatusColourMapping	parkingSiteStatus	Parking site status	The status of the parking site (spaces available or not).	1..1	ParkingSiteStatusEnum
ParkingTable	parkingTableName	Parking table name	The name of the parking table.	0..1	MultilingualString
	parkingTableVersionTime	Parking table version time	The date/time that this version of the parking table was defined by the supplier. The identity and version of the table are defined by the class stereotype implementation.	1..1	DateTime

Table 33— Attributes of the "ParkingTablePublication" package

A.2.13 "ParkingVehicleCountAndRate" package

A.2.13.1 "ParkingVehicleCountAndRate" package classes

Class name	Designation	Definition	Stereotype	Abstract
VehicleCountAndRate	Vehicle count and rate	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.		no
VehicleCountWithinInterval	Vehicle count within interval	Gives incoming and/or outgoing vehicles and/or change of occupied spaces within a given interval. The interval is given in positive or negative seconds related to 'measurementOrCalculationTime' or 'measurementDefaultTime'.		no
VehicleRate	Vehicle rate	Gives information about fill and exit rates OR vehicle flow rate (without direction). If the time stamp is omitted, 'measurementTimeDefault' is used.		no

Table 34— Classes of the "ParkingVehicleCountAndRate" package

A.2.13.2 "ParkingVehicleCountAndRate" package association roles

Class name	Role name	Designation	Definition	Multiplicity	Target
VehicleCountWithinInterval	changeOfOccupiedSpaces	Change of occupied spaces	The change in the number of occupied spaces for specified vehicles within the given interval. Negative values mean less occupied spaces than at the beginning of the interval.	0..1	OccupancyChangeValue
	countedVehicles	Counted vehicles		0..1	VehicleCharacteristics
	numberOfIncomingVehicles	Number of incoming vehicles	Number of vehicles of specified type that entered the specified parking within the given interval.	0..1	VehicleCountValue
	numberOfOutgoingVehicles	Number of outgoing vehicles	Number of vehicles of specified type that left the specified parking within the given interval.	0..1	VehicleCountValue
VehicleRate	exitRate	Exit rate	The rate at which vehicles are exiting the parking.	0..1	VehicleFlowValue
	fillRate	Fill rate	The rate at which vehicles are entering the parking.	0..1	VehicleFlowValue
	measuredVehicles	Measured vehicles		0..1	VehicleCharacteristics
	vehicleFlowRate	Vehicle flow rate	A value of vehicle flow rate expressed in vehicles per hour.	0..1	VehicleFlowValue

Table 35— Associations of the "ParkingVehicleCountAndRate" package

A.2.13.3 "ParkingVehicleCountAndRate" package attributes

Class name	Attribute name	Designation	Definition	Multiplicity	Type
VehicleCountAndRate	coveringPetrolStationArea	Covering petrol station area	Indication, if this detector also covers the area of a petrol station.	0..1	Boolean
	dedicatedAccess	Dedicated access	Specifies a reference to an access, object (i.e. an entrance, an exit or both). A Point location and further characteristics can be specified for those objects.	0..1	Reference
	lastCalibration	Last calibration	Date of last calibration of the detection system in question.	0..1	DateTime
	measuredValueIndex	Measured value index	If a measurement site is specified, the index of the measured value can be specified here.	0..1	NonNegativeInteger
	measurementSiteReference	Measurement site reference	A reference to a versioned measurement site record defined in a Measurement Site table.	0..1	VersionedReference
	measurementTimeDefault	Measurement time default	The time associated with the set of measurements. It may be the time of the beginning, the end or the middle of the measurement period.	0..1	DateTime
VehicleCountWithinInterval	measurementInterval	Measurement interval	Interval for which the data applies. Usually, this value should be negative. Example: -300 = last 5 minutes up to 'measurementOrCalculationTime' or 'measurementTimeDefault'. Use a positive value only for predictions. Example: 600 = next ten minutes.	1..1	Seconds
	measurementOrCalcualtionTime	Measurement or calcualtion time	Point in time at which this specific value or set of values has been measured or calculated. It may also be a future time at which a data value is predicted.	0..1	DateTime
VehicleRate	measurementOrCalculationTime	Measurement or calculation time	Point in time at which this specific value or set of values has been measured or calculated. It may also be a future time at which a data value is predicted.	0..1	DateTime

Table 36— Attributes of the "ParkingVehicleCountAndRate" package

A.2.14 "ParkingVehiclesPublication" package

A.2.14.1 "ParkingVehiclesPublication" package classes

Class name	Designation	Definition	Stereotype	Abstract
IndividualCharge	Individual charge	Information on the individual charge for parking the specified vehicle.		no
ParkingVehicle	Parking vehicle	Information about one individual parking vehicle.	versionedIdentifiable	no
ParkingVehiclesPublication	Parking vehicles publication	Information about individual parking vehicles.		no
UsedPaymentCard	Used payment card	The used payment card for this parking vehicle.		no

Table 37— Classes of the "ParkingVehiclesPublication" package

A.2.14.2 "ParkingVehiclesPublication" package association roles

Class name	Role name	Designation	Definition	Multiplicity	Target
ParkingVehicle	parkingPeriod	Parking period		0..1	OverallPeriod

Table 38— Associations of the "ParkingVehiclesPublication" package

A.2.14.3 "ParkingVehiclesPublication" package attributes

Class name	Attribute name	Designation	Definition	Multiplicity	Type
IndividualCharge	chargeBandReference	Charge band reference	A reference to a charge band.	0..1	VersionedReference
	chargeCurrency	Charge currency	A three-character code according to ISO 4217 for the currency in which the parking charge is specified (e.g. EUR, GBP, SEK, CZK).	0..1	CurrencyEnum
	chargePaid	Charge paid	The charge paid for this vehicle. If the vehicle is still parking, it's the charge amount accumulated so far.	1..1	AmountOfMoney
	usedMeansOfPayment	Used means of payment	The payment method used to pay for this parking vehicle. If it is 'paymentCard', use 'UsedPaymentCard' to specify more details.	0..1	MeansOfPaymentEnum
	withReservation	With reservation	Specifies, whether there was a reservation made for this vehicle.	0..1	Boolean
ParkingVehicle	groupOfParkingSpacesReference	Group of parking spaces reference	Points to one or more groups of parking spaces, to which the parking space of the vehicle belongs. The reference is only unique in combination with 'parkingRecordReference'.	0..*	IndexReference
	parkingRecordReference	Parking record reference	A reference to a static parking record object, i.e. a parking site or a group of parking sites.	1..1	VersionedReference
	parkingSpaceReference	Parking space reference	Points to the parking space, on which the vehicle is located. The reference is only unique in combination with 'parkingRecordReference'.	0..1	IndexReference
ParkingVehiclesPublication	parkingTableReference	Parking table reference	It is possible to limit the publication to one or more ParkingTable and to set a reference to these tables here.	0..*	VersionedReference
UsedPaymentCard	otherPaymentCard	Other payment card	The payment card used for this parking vehicle in case the paymentCard attribute is set to 'other'.	0..1	String

Class name	Attribute name	Designation	Definition	Multiplicity	Type
	otherPaymentCardBrand	Other payment card brand	The payment card brand used for this parking vehicle in case the paymentCardBrand attribute is set to 'other'.	0..1	String
	paymentCard	Payment card	Use this class to describe details in case usedMeansOfPayment is set to 'paymentCard'.	1..1	PaymentCardTypesEnum
	paymentCardBrand	Payment card brand	The payment card brand used for this parking vehicle.	0..1	PaymentCardBrandsEnum

Table 39— Attributes of the "ParkingVehiclesPublication" package

A.2.15 "PolygonArea" package

A.2.15.1 "PolygonArea" package classes

Class name	Designation	Definition	Stereotype	Abstract
AreaExtended	Area extended	Extension class for area used in parking publication extension.		no
NamedArea	Named area	An area defined by a name and/or in terms of known boundaries, such as country or county boundaries or allocated control area of particular authority. The attributes do not form a union; instead, the smallest intersection forms the resulting area.		no
PolygonArea	Polygon area	defines points for a closed polygon-shape describing the area		no

Table 40— Classes of the "PolygonArea" package

A.2.15.2 "PolygonArea" package association roles

There are no defined association roles in the "PolygonArea" package.

A.2.15.3 "PolygonArea" package attributes

Class name	Attribute name	Designation	Definition	Multiplicity	Type
NamedArea	areaName	Area name	Name of an area.	0..1	MultilingualString
	country	Country	ISO 3166-1 two character country code.	0..1	CountryEnum
	county	County	Name of a county (administrative sub-division).	0..1	MultilingualString
	nation	Nation	Name of a nation (e.g. Wales) which is a sub-division of an ISO recognised country.	0..1	MultilingualString
	policeForceControlArea	Police force control area	Name of a police force area.	0..1	MultilingualString
	roadOperatorControlArea	Road operator control area	Name of a road operator control area.	0..1	MultilingualString
PolygonArea	sectionName	Section name	Name of the polygon area. Especially useful when the area consists of more than one polygon.	0..1	MultilingualString

Table 41— Attributes of the "PolygonArea" package

A.2.16 "Road" package

A.2.16.1 "Road" package classes

Class name	Designation	Definition	Stereotype	Abstract
Road	Road	Identification of a road by its name, identifier, type ...		no
RoadNode	Road node	A road node as part of the specialised road identified by the name of a junctionon on this road.		no

Table 42— Classes of the "Road" package

A.2.16.2 "Road" package association roles

There are no defined association roles in the "Road" package.

A.2.16.3 "Road" package attributes

Class name	Attribute name	Designation	Definition	Multiplicity	Type
Road	distanceToThisRoad	Distance to this road	Distance to the road in metres (from the calling component/object).	0..1	MetresAsNonNegativeInteger
	nameOfRoad	Name of road	The name of the road.	0..1	MultilingualString
	roadDestination	Road destination	Name of some city, area, compass direction or other identification the road is leading to (to determine the direction in question).	0..*	MultilingualString
	roadIdentifier	Road identifier	Identifier/number of the road.	0..1	MultilingualString
	roadOrigination	Road origination	Name of some city, area, compass direction or other identification this road comes from.	0..*	MultilingualString
	typeOfRoad	Type of road	Type of the road.	0..1	RoadTypeEnum
RoadNode	junctionName	Junction name	Name of the junction.	1..1	MultilingualString

Table 43— Attributes of the "Road" package

A.2.17 "TariffsAndPayment" package

A.2.17.1 "TariffsAndPayment" package classes

Class name	Designation	Definition	Stereotype	Abstract
AcceptedPaymentCards	Accepted payment cards	Use this class to describe details in case acceptedMeansOfPayment is set to 'paymentCard'.		no
Charge	Charge	A particular charge for a specified interval belonging a charge band.		no
ChargeBand	Charge band	A charge band in accordance with the specified conditions, possibly up to a maximum duration, during a specified period and for a vehicle of specified characteristics (in case of parking).	versionedIdentifiable	no
ChargeBandByReference	Charge band by reference	Using (a) prior defined charge band(s), identified by its reference.		no
TariffsAndPayment	Tariffs and payment	A table of charges under various conditions, primary used for parking.		no

Table 44— Classes of the "TariffsAndPayment" package

A.2.17.2 "TariffsAndPayment" package association roles

Class name	Role name	Designation	Definition	Multiplicity	Target
ChargeBand	applicableForPeriod	Applicable for period	Charge band limitation on a (complex) period, described by the validity model.	0..1	OverallPeriod
	applicableForVehicles	Applicable for vehicles	Charge band limitation on a set of vehicles described by their characteristics.	0..*	VehicleCharacteristics

Table 45— Associations of the "TariffsAndPayment" package

A.2.17.3 "TariffsAndPayment" package attributes

Class name	Attribute name	Designation	Definition	Multiplicity	Type
AcceptedPaymentCards	otherPaymentCardBrands	Other payment card brands	Further accepted brands of payment cards.	0..*	String
	otherPaymentCards	Other payment cards	Further accepted payment cards.	0..*	String
	paymentCardBrands	Payment card brands	List of accepted brands for payment cards.	0..*	PaymentCardBrandsEnum
	paymentCards	Payment cards	List of accepted payment cards.	1..*	PaymentCardTypesEnum
Charge	charge	Charge	Charge for the specified interval (for vehicle of defined characteristics, if any specified) up to the maximum defined duration and during the defined period(s).	1..1	AmountOfMoney
	chargeInterval	Charge interval	Interval for which the charge applies (e.g. charge applies for 2 hours (to specify in seconds)). If no interval is specified, the price is valid for the whole period (kind of flat fee).	0..1	Seconds
	chargeOrderIndex	Charge order index	A non-unique index which forms an order for applying charges, i.e. a charge may never be applied afterwards a charge with a higher index. For same indices there is no order-restriction. You can skip charges unless their 'minIterationsOfCharge' is not > 0.	0..1	NonNegativeInteger
	chargeType	Charge type	The type of charge. Day- week- month- and year-charges can be specified without this enumeration by specifying the interval.	0..1	ChargeTypeEnum
	chargeTypeDescription	Charge type description	Additional description for this kind of charge type, especially if the enumeration does not fit.	0..1	MultilingualString
	maxIterationsOfCharge	Max iterations of charge	This charge must not be applied more often within this charge band than specified in this attribute. Thus it is possible to specify the first hour for free, for example.	0..1	NonNegativeInteger

Class name	Attribute name	Designation	Definition	Multiplicity	Type
	minIterationsOfCharge	Min iterations of charge	This charge must be applied within this charge band at least as often as specified in this attribute. Thus it is possible to specify the first hour in an expensive manner, for example.	0..1	NonNegativeInteger
ChargeBand	applicableForUser	Applicable for user	Limitation to a set of special users.	0..*	UserTypeEnum
	chargeBandName	Charge band name	Name for this charge band.	0..1	MultilingualString
	chargeCurrency	Charge currency	A three-character code according to ISO 4217 for the currency in which the parking charge is specified (e.g. EUR, GBP, SEK, CZK).	1..1	CurrencyEnum
	maximumDuration	Maximum duration	The maximum duration (e.g. of parking) for which the specified charge is applicable.	0..1	Seconds
ChargeBandByReference	chargeBandReference	Charge band reference	A reference to a charge band.	1..1	VersionedReference
TariffsAndPayment	acceptedMeansOfPayment	Accepted means of payment	Method(s) by which the user can make payments. In case of 'paymentCard' use AcceptedPaymentCards to specify more details.	0..*	MeansOfPaymentEnum
	freeOfCharge	Free of charge	No fee at all. In this case, no further elements of the tariffs structure are needed.	0..1	Boolean
	lastUpdated	Last updated	The date/time at which this information was last updated.	0..1	DateTime
	paymentAdditionalDescription	Payment additional description	Additional description, for instance instructions or telephone number for paying by SMS.	0..1	MultilingualString
	paymentMode	Payment mode	Modes how to realize the payment ('payAndDisplay', 'payByPrepaidToken', ...).	0..*	ParkingPaymentModeEnum
	reservationFee	Reservation fee	A fee for reservation, if this is uniform for all situations. Can also be 0 to indicate free reservations. This attribute does not indicate if reservation is available at all and/or mandatory.	0..1	AmountOfMoney

Class name	Attribute name	Designation	Definition	Multiplicity	Type
	urlLinkAddress	URL link address	A Uniform Resource Locator (URL) address pointing to a resource available on the Internet from where further relevant information may be obtained.	0..1	Url

Table 46— Attributes of the "TariffsAndPayment" package

A.2.18 "VehicleCharacteristicsExtension" package

A.2.18.1 "VehicleCharacteristicsExtension" package classes

Class name	Designation	Definition	Stereotype	Abstract
VehicleCharacteristics Extended	Vehicle characteristics extended	Extension point for 'VehicleCharacteristics' to support additional attributes and literals like additional fuel types, load types etc.		no

Table 47— Classes of the "VehicleCharacteristicsExtension" package

A.2.18.2 "VehicleCharacteristicsExtension" package association roles

There are no defined association roles in the "VehicleCharacteristicsExtension" package.

A.2.18.3 "VehicleCharacteristicsExtension" package attributes

Class name	Attribute name	Designation	Definition	Multiplicity	Type
VehicleCharacteristics Extended	emissionClassification	Emission classification	The valid list of entries for this attribute has to be specified between the communication-partners. Usually it's some country specific classification code for emissions, which must be scored by vehicles to be valid.	0..*	String
	fuelType2	Fuel type2	Fuel types currently not supported in 'FuelTypeEnum'.	0..1	FuelType2Enum
	loadType2	Load type2	Loads currently not supported in 'LoadTypeEnum'.	0..1	LoadType2Enum
	operationFreeOfEmission	Operation free of emission	Only vehicles that do not produce emissions (e.g. electric driven). Hybrid driven cars are allowed, when they switch to emission free mode within the considered situation.	0..1	Boolean
	vehicleType2	Vehicle type2	Vehicle types currently not supported in 'VehicleTypeEnum'.	0..1	VehicleType2Enum
	vehicleUsage2	Vehicle usage2	Usage types currently not supported in 'VehicleUsageTypeEnum'.	0..1	VehicleUsage2Enum

Table 48— Attributes of the "VehicleCharacteristicsExtension" package

A.3 Data Dictionary of <<datatypes>> for "Parking Publications"

This clause contains the definitions of all data types which are used in the "Parking Publications".

A.3.1 The <<datatype>> "AmountOfMoney"

A monetary value expressed to two decimal places.

A.3.2 The <<datatype>> "Ampere"

Ampere.

A.3.3 The <<datatype>> "Boolean"

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

A.3.4 The <<datatype>> "Date"

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'.

A.3.5 The <<datatype>> "DateTime"

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.

A.3.6 The <<datatype>> "IndexReference"

A reference to an object given by its index qualifier.

A.3.7 The <<datatype>> "Integer"

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

A.3.8 The <<datatype>> "Language"

A language datatype, identifies a specified language by an ISO 639-1 2-alpha / ISO 639-2 3-alpha code.

A.3.9 The <<datatype>> "MetresAsFloat"

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

A.3.10 The <<datatype>> "MetresAsNonNegativeInteger"

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

A.3.11 The <<datatype>> "MultilingualString"

A multilingual string, whereby the same text may be expressed in more than one language.

A.3.12 The <<datatype>> "NonNegativeInteger"

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

A.3.13 The <<datatype>> "Percentage"

A measure of percentage.

A.3.14 The <<datatype>> "Reference"

A reference to an identifiable managed object where the identifier is unique. It comprises an identifier (e.g. GUID) and a string identifying the class of the referenced object.

A.3.15 The <<datatype>> "Seconds"

Seconds.

A.3.16 The <<datatype>> "SquareMetres"

Square metres.

A.3.17 The <<datatype>> "String"

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.

A.3.18 The <<datatype>> "Url"

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

A.3.19 The <<datatype>> "VersionedReference"

A reference to an identifiable version managed object where the combination of the identifier and version is unique. It comprises an identifier (e.g. GUID), a version (NonNegativeInteger) and a string identifying the class of the referenced object.

A.3.20 The <<datatype>> "Volt"

Volt.

A.4 Data Dictionary of <<enumerations>> for "Parking Publications"

This clause contains the definitions of all enumerations which are used in the "Parking Publications".

A.4.1 The <<enumeration>> "AccessCategoryEnum"

Specifies the category of the access.

Enumerated value name	Designation	Definition
bicycles	Bicycles	An access for bicycles.
emergencyExit	Emergency exit	An exit that can be used by pedestrians in case of emergency (i.e. among others easy to access and signed).
other	Other	Other.
pedestrianEntrance	Pedestrian entrance	An entrance for pedestrian.
pedestrianEntranceAndExit	Pedestrian entrance and exit	An entrance and exit for pedestrian.
pedestrianExit	Pedestrian exit	An exit for pedestrian.
rentalCarReturn	Rental car return	An entrance to return rental cars.
unknown	Unknown	Unknown.
unspecified	Unspecified	The category of this access is not specified any further.
vehicleEntrance	Vehicle entrance	An entrance for vehicles.
vehicleEntranceAndExit	Vehicle entrance and exit	An entrance and exit for vehicles.
vehicleExit	Vehicle exit	An exit for vehicles.

Table 49— Values contained in the enumeration "AccessCategoryEnum"

A.4.2 The <<enumeration>> "AccessEquipmentEnum"

Specifies additional equipment for this access.

Enumerated value name	Designation	Definition
barrier	Barrier	There is a barrier on this entrance or exit. Usually access is granted through tickets, buttons or electronic systems.
other	Other	Other.
payAndExitMachine	Pay and exit machine	A machine at this exit enables payment directly by inserting a payment or identity card.
ticketButtonMachine	Ticket button machine	A machine at this entrance provides a parking ticket by pressing a button.
ticketCardMachine	Ticket card machine	A machine at this entrance provides a parking ticket by inserting some payment or identity card.
trafficSignal	Traffic signal	There is a traffic signal installation controlling this access.

Table 50— Values contained in the enumeration "AccessEquipmentEnum"

A.4.3 The <<enumeration>> "AccessibilityEnum"

Special forms of accessibility, easements and marking for handicapped people.

Enumerated value name	Designation	Definition
barrierFreeAccessible	Barrier free accessible	Accessible without any steps or other barriers. This is not as strong as handicappedAccessible.
handicappedAccessible	Handicapped accessible	Accessible for handicapped people. Wheelchair accessible is a special form of it.
handicappedEasements	Handicapped easements	There are special easements for handicapped people, like handrails or handicapped-friendly furniture.
handicappedMarked	Handicapped marked	There is a visible mark for the privilege of handicapped or disabled people (e.g. a wheelchair symbol).
none	None	No form of special accessibility, i.e. usually not convenient for handicapped people, e.g. because of steps or barriers.
orientationSystemForBlindPeople	Orientation system for blind people	There is some orientation system, which helps blind or visually impaired people. Examples might be some acoustic system or tactile paving.
other	Other	Other.
unknown	Unknown	It is unknown, whether there is a special form of accessibility.
wheelChairAccessible	Wheel chair accessible	Accessible by people in a wheelchair.

Table 51— Values contained in the enumeration "AccessibilityEnum"

A.4.4 The <<enumeration>> "AvailabilityEnum"

An enumeration which states if something is available or not.

Enumerated value name	Designation	Definition
available	Available	The element in question is available.
notAvailable	Not available	The element in question is not available.
unknown	Unknown	There is no information about whether the element in question is available or not.

Table 52— Values contained in the enumeration "AvailabilityEnum"

A.4.5 The <<enumeration>> "ChargeTypeEnum"

Charge type

Enumerated value name	Designation	Definition
additionalIntervalPrice	Additional interval price	Price for all intervals following the first interval.
firstIntervalPrice	First interval price	Price for the first interval, e.g. the first hour. See also 'additional'.
flat	Flat	Flat fee.
freeParking	Free parking	Free Parking. Set charge to 0.
maximum	Maximum	Maximum price for the given interval.
minimum	Minimum	Minimum price for the given interval.
other	Other	Other.
seasonTicket	Season ticket	Season ticket.
temporaryPrice	Temporary price	Temporary price.
unknown	Unknown	Unknown.

Table 53— Values contained in the enumeration "ChargeTypeEnum"

A.4.6 The <<enumeration>> "ChargingStationUsageTypeEnum"

Type of usage for electric charging station(s).

Enumerated value name	Designation	Definition
electricalDevices	Electrical devices	Provides a plug for electrical devices (e.g. shaver, mobile phones, hair dryer, ...)
electricBikeOrMotorcycle	Electric bike or motorcycle	Charging of E-Bikes or E-Motorcycles.
electricVehicle	Electric vehicle	Charging of electric vehicles.
lorryPowerConsumption	Lorry power consumption	Supply for lorries with power consumption, e.g. for refrigerated goods transports.
motorhomeOrCaravanSupply	Motorhome or caravan supply	Supply for motorhomes or caravans.
other	Other	Other usage for the electric charging stations.

Table 54— Values contained in the enumeration "ChargingStationUsageTypeEnum"

A.4.7 The <<enumeration>> "CountryEnum"

List of countries.

Enumerated value name	Designation	Definition
at	at	Austria
be	be	Belgium
bg	bg	Bulgaria
ch	ch	Switzerland
cs	cs	Serbia and Montenegro
cy	cy	Cyprus
cz	cz	Czech Republic
de	de	Germany
dk	dk	Denmark
ee	ee	Estonia
es	es	Spain
fi	fi	Finland
fo	fo	Faroe Islands
fr	fr	France
gb	gb	Great Britain
gg	gg	Guernsey
gi	gi	Gibraltar
gr	gr	Greece
hr	hr	Croatia
hu	hu	Hungary
ie	ie	Ireland
im	im	Isle Of Man
is	is	Iceland
it	it	Italy
je	je	Jersey

Enumerated value name	Designation	Definition
li	li	Lichtenstein
lt	lt	Lithuania
lu	lu	Luxembourg
lv	lv	Latvia
ma	ma	Morocco
mc	mc	Monaco
mk	mk	Macedonia
mt	mt	Malta
nl	nl	Netherlands
no	no	Norway
other	other	Other than as defined in this enumeration.
pl	pl	Poland
pt	pt	Portugal
ro	ro	Romania
se	se	Sweden
si	si	Slovenia
sk	sk	Slovakia
sm	sm	San Marino
tr	tr	Turkey
va	va	Vatican City State

Table 55— Values contained in the enumeration "CountryEnum"

A.4.8 The <<enumeration>> "CurrencyEnum"

Three letter code defining the currency according to ISO 4217 (e.g. EUR for Euro). This enumeration only contains European currencies including the US dollar.

Enumerated value name	Designation	Definition
all	All	Lek (Albania)
amd	Amd	Armeniam Dram
azn	Azn	Azerbaijanian Manat
bam	Bam	Convertible Mark (Bosnia and Herzogowina)
bgn	Bgn	Bulgarian Lev
byr	Byr	Belarussian Ruble
chf	Chf	Swiss Franc
czk	Czk	Czech Koruna
dkk	Dkk	Danish Krone
eur	Eur	Euro
gbp	Gbp	Pound Sterling
gel	Gel	Lari (Georgia)
hrk	Hrk	Croatian Kuna
huf	Huf	Forint (Hungary)
isk	Isk	Iceland Krona
ltl	Ltl	Litas (Lithuania)
mdl	Mdl	Moldovan Leu
mkd	Mkd	Denar
nok	Nok	Norwegian Krone
other	Other	Another currency.
pln	Pln	Zloty
ron	Ron	New Romanian Leu
rsd	Rsd	Serbian Dinar
rub	Rub	Russian Ruble
sek	Sek	Swedish Krona
try	Try	Turkish Lira
uah	Uah	Hryvnia (Ukraine)

Enumerated value name	Designation	Definition
usd	Usd	US Dollar

Table 56— Values contained in the enumeration "CurrencyEnum"

A.4.9 The <<enumeration>> "DirectionEnum"

List of directions of travel.

Enumerated value name	Designation	Definition
allDirections	All directions	All directions (where more than two are applicable) at this point on the road network.
anticlockwise	Anticlockwise	Anti-clockwise.
bothWays	Both ways	Both directions that are applicable at this point on the road network.
clockwise	Clockwise	Clockwise.
eastBound	East bound	East bound general direction.
inboundTowardsTown	Inbound towards town	Heading towards town centre direction of travel.
innerRing	Inner ring	Inner ring direction.
northBound	North bound	North bound general direction.
northEastBound	North east bound	North east bound general direction.
northWestBound	North west bound	North west bound general direction.
opposite	Opposite	Opposite direction to the normal direction of flow at this point on the road network.
other	Other	Other than as defined in this enumeration.
outboundFromTown	Outbound from town	Heading out of or away from the town centre direction of travel.
outerRing	Outer ring	Outer ring direction.
southBound	South bound	South bound general direction.
southEastBound	South east bound	South east bound general direction.
southWestBound	South west bound	South west bound general direction.
unknown	Unknown	Direction is unknown.
westBound	West bound	West bound general direction.

Table 57— Values contained in the enumeration "DirectionEnum"

A.4.10 The <<enumeration>> "EquipmentTypeEnum"

Equipment available on the parking or parking space or grouped parking spaces.

Enumerated value name	Designation	Definition
bikeParking	Bike parking	Bike parking.
cashMachine	Cash machine	Cash machine.
copyMachineOrService	Copy machine or service	A possibility to create copies of documents.
defibrillator	Defibrillator	Medical equipment to provide first aid after heart attacks.
dumpingStation	Dumping station	Possibility to get rid of sewerage (especially for motorhomes).
electricChargingStation	Electric charging station	For charging vehicles, motorhome supply etc. The 'numberOf...' attribute specifies the number of charging stations. You may specify the number of charging points and further information with component 'ElectricCharging'.
elevator	Elevator	Indication of the availability of elevators.
faxMachineOrService	Fax machine or service	A possibility to send and/or receive faxes.
fireExtingiusher	Fire extingiusher	Fire extinguisher
fireHose	Fire hose	A hose for water transport in case of fire.
fireHydrant	Fire hydrant	Fire hydrant
firstAidEquipment	First aid equipment	Equipment to support first aid on injured people. Note that 'defibrillator' is a separate literal.
freshWater	Fresh water	Possibility to get fresh water (e.g. for motorhomes) - toilets and showers etc. are not intended here.
iceFreeScaffold	Ice free scaffold	A technical equipment to remove ice and snow from the roof of lorries.
informationPoint	Information point	An information point with employees.
informatonStele	Informaton stele	An unmanned information point.
internetTerminal	Internet terminal	Public internet terminal. Charges may be specified using the TariffsAndPayment section.
internetWireless	Internet wireless	Public wireless internet. Specifying an amount would be the number of hotspots/access points. Charges may be specified using the TariffsAndPayment section.

Enumerated value name	Designation	Definition
luggageLocker	Luggage locker	Possibility to deposit luggage in a safe way.
none	None	None.
other	Other	Some other equipment. Use 'otherEquipmentOrServiceFacility' to specify it.
payDesk	Pay desk	A possibility to pay for parking (with employees).
paymentMachine	Payment machine	A parking ticket machine.
picnicFacilities	Picnic facilities	Indication of whether any picnicking facilities, such as tables, chairs and shaded areas, are available.
playground	Playground	A playground for children.
publicCardPhone	Public card phone	Indicates, whether there's a public telephone available that can be used with a card.
publicCoinPhone	Public coin phone	Indicates, whether there's a public telephone available that can be used with coins.
publicPhone	Public phone	Indicates, whether there's a public telephone available.
refuseBin	Refuse bin	Refuse bins for small amounts of garbage (see also 'wasteDisposal').
safeDeposit	Safe deposit	A possibility to store valuable possession in a safe way.
shower	Shower	Indicates, whether there are shower facilities available.
toilet	Toilet	Indicates, whether there are toilets available.
tollTerminal	Toll terminal	A terminal, where toll charges can be paid manually (this does not mean a toll gate on the road)
unknown	Unknown	Unknown.
vendingMachine	Vending machine	A vending machine for snacks, coffee etc. (without manpower).

Enumerated value name	Designation	Definition
wasteDisposal	Waste disposal	Possibility to get rid of waste in a legal way (e.g. for truckers or motorhomes). Normal refuse bins are not intended here.

Table 58— Values contained in the enumeration "EquipmentTypeEnum"

A.4.11 The <<enumeration>> "FuelType2Enum"

Fuel types that are currently not supported in FuelTypeEnum.

Enumerated value name	Designation	Definition
all	All	All sort of fuel is accepted.
other	Other	Other.
petrol95Octane	Petrol95 octane	Petrol with 95 octane.
petrol98Octane	Petrol98 octane	Petrol with 98 octane.
petrolLeaded	Petrol leaded	Leaded petrol.
petrolUnleaded	Petrol unleaded	Unleaded petrol.
unknown	Unknown	The sort of fuel is not known.

Table 59— Values contained in the enumeration "FuelType2Enum"

A.4.12 The <<enumeration>> "GroupOfParkingSitesStatusEnum"

The status of the group of parking sites (available spaces or not).

Enumerated value name	Designation	Definition
allParkingsFull	All parkings full	All parkings within the group are full.
enoughSpacesAvailable	Enough spaces available	Enough spaces available within the group.
multiStoreyParkingsFull	Multi storey parkings full	All multi storey parkings within the group are full.
noMoreParkingSpacesAvailable	No more parking spaces available	No more parking spaces available within the group.
other	Other	Other.
unknown	Unknown	The status of the group of parking sites is unknown.

Table 60— Values contained in the enumeration "GroupOfParkingSitesStatusEnum"

A.4.13 The <<enumeration>> "GroupOfParkingSitesTypeEnum"

The type of this group of parking sites.

Enumerated value name	Designation	Definition
aggregationOfInformation	Aggregation of information	The main purpose of this group is to give summarized information of all encapsulated parking sites (e.g. number of spaces in total).
inhabitantZone	Inhabitant zone	This group is describing an inhabitant zone.
parkingArea	Parking area	A parking area in urban environment, for example all parkings sites in the western centre.
truckParkingPriorityZone	Truck parking priority zone	This group is describing a truck parking priority zone according to the EU regulation.

Table 61— Values contained in the enumeration "GroupOfParkingSitesTypeEnum"

A.4.14 The <<enumeration>> "InterUrbanParkingSiteLocationEnum"

Location of the truck or motorway related parking.

Enumerated value name	Designation	Definition
layBy	Lay by	An area along a road that offers temporary parking.
motorway	Motorway	The parking is located directly on a motorway or a similar type of road.
nearbyMotorway	Nearby motorway	The parking is located with some distance to a motorway or a similar type of road but focussed on travellers from this motorway.
onStreet	On street	Vehicles are parking on the roadside.
other	Other	The parking is located somewhere else.

Table 62— Values contained in the enumeration "InterUrbanParkingSiteLocationEnum"

A.4.15 The <<enumeration>> "JunctionClassificationEnum"

Explicit type of a junction.

Enumerated value name	Designation	Definition
borderCrossing	Border crossing	Motorway crossing a border (between counties, countries, states, ...).
interchange	Interchange	Usually two crossing motorways (four legs, but can be even more).
junction	Junction	Entrance and exit on a motorway.
junctionInOneDirection	Junction in one direction	Entry and Exit on a motorway, where just one direction of the motorway is accessible.
motorwayConnection	Motorway connection	Beginning or end of a motorway (e.g. changeover to smaller road).
operationalServiceJunction	Operational service junction	Junction accessible only for operational services.
other	Other	Other.
temporaryJunction	Temporary junction	Entrance and exit on a motorway, reserved either for emergency and service or on a temporary basis.
threeWayInterchange	Three way interchange	One motorway merging into another (with three legs in total).

Table 63— Values contained in the enumeration "JunctionClassificationEnum"

A.4.16 The <<enumeration>> "LABELSecurityLevelEnum"

Security level defined by the LABEL project http://truckparkinglabel.eu.

Enumerated value name	Designation	Definition
none	None	None.
securityLevel1	Security level1	Providing the basics.
securityLevel2	Security level2	Technical measures to improve security.
securityLevel3	Security level3	Security measures are combined, Access of persons restricted.
securityLevel4	Security level4	Real time monitoring of vehicles and persons by professional staff.
securityLevel5	Security level5	Verification of vehicles and persons by professional staff, site manned around the clock.
unknown	Unknown	Unknown.

Table 64— Values contained in the enumeration "LABELSecurityLevelEnum"

A.4.17 The <<enumeration>> "LABELServiceLevelEnum"

Service level defined by the LABEL project http://truckparkinglabel.eu.

Enumerated value name	Designation	Definition
none	None	None.
serviceLevel1	Service level1	Providing the basics.
serviceLevel2	Service level2	Also providing washing facilities and a more convenient lay-out of the parking area.
serviceLevel3	Service level3	Providing service for personal hygiene and shop/ fuel station.
serviceLevel4	Service level4	Providing full service for driver and vehicle.
serviceLevel5	Service level5	Providing the high end of comfort levels.
unknown	Unknown	Unknown.

Table 65— Values contained in the enumeration "LABELServiceLevelEnum"

A.4.18 The <<enumeration>> "LoadType2Enum"

Loads that are currently not supported in loadType.

Enumerated value name	Designation	Definition
refrigeratedGoods	Refrigerated goods	Refrigerated goods.

Table 66— Values contained in the enumeration "LoadType2Enum"

A.4.19 The <<enumeration>> "MeansOfPaymentEnum"

Means of payment

Enumerated value name	Designation	Definition
cash	Cash	Cash payment.
cashCoinsOnly	Cash coins only	Cash payment with coins only.
directCashTransfer	Direct cash transfer	Direct cash transfer.
electronicSettlement	Electronic settlement	Electronic settlement; includes on board units.
mobileApp	Mobile app	Payment method using an app on a smartphone.
mobilePhone	Mobile phone	A payment method using a mobile phone but without an app or SMS, for instance by calling a number.
other	Other	Other.
payBySMS	Pay by s m s	Payment by SMS. The telephone number can be specified by 'paymentAdditionalDescription'.
paymentCard	Payment card	Payment by electronic card(s). Use 'AcceptedPaymentCards' resp. 'UsedPaymentCard' to specify them more exactly.
rfid	Rfid	RFID.
unknown	Unknown	Unknown.

Table 67— Values contained in the enumeration "MeansOfPaymentEnum"

A.4.20 The <<enumeration>> "OccupancyDetectionTypeEnum"

Type of parking occupancy detection (balancing, single slot, ...).

Enumerated value name	Designation	Definition
balancing	Balancing	Counting and balancing incoming and outcoming traffic amount ('indirect' method).
manual	Manual	Manual collection of occupancy information, i.e. operators count the vehicles.
modelBased	Model based	Occupancy detection is based on some model, i.e. hydrograph, forecasting or estimation.
none	None	No occupancy detection available.
other	Other	Other.
singleSpaceDetection	Single space detection	There is a detector for every individual parking space ('direct' method).
unknown	Unknown	Unknown.
unspecified	Unspecified	Unspecified.

Table 68— Values contained in the enumeration "OccupancyDetectionTypeEnum"

A.4.21 The <<enumeration>> "OpeningStatusEnum"

The opening status of some entity (e.g. parking site, service facility, access,...)

Enumerated value name	Designation	Definition
closed	Closed	Closed, usually because of the regular opening times.
closedAbnormal	Closed abnormal	Closed because of some scheduled or unscheduled event, like holiday, maintenance, construction works or any kind of problems. It is possible that the closure will last for some time.
open	Open	Open resp. available.
openingTimesInForce	Opening times in force	The normal opening times are in force, i.e. it is not explicit said if it's open right now.
other	Other	Other.
statusUnknown	Status unknown	The opening status is unknown.

Table 69— Values contained in the enumeration "OpeningStatusEnum"

A.4.22 The <<enumeration>> "OperationStatusEnum"

Specifies, whether some scenario or equipment is in operation or not.

Enumerated value name	Designation	Definition
inOperation	In operation	The specified element is in operation right now.
limitedOperation	Limited operation	The specified element is in operation on a limited basis.
notInOperation	Not in operation	The specified element is not operating right now.
notInOperationAbnormal	Not in operation abnormal	The specified element is not operating due to abnormal conditions (holidays, restoration-works, long-term closure, ...).
technicalDefect	Technical defect	The specified element is not in operation due to a technical defect.
unknown	Unknown	There is no information about the operation status.

Table 70— Values contained in the enumeration "OperationStatusEnum"

A.4.23 The <<enumeration>> "OwnershipTypeEnum"

Ownership type enum.

Enumerated value name	Designation	Definition
other	Other	Other kind of ownership.
private	Private	Private ownership.
public	Public	Public ownership.
publicPrivate	Public private	A public private partnership model.
resident	Resident	A private individual ownership.
unknown	Unknown	An unknown kind of ownership.

Table 71— Values contained in the enumeration "OwnershipTypeEnum"

A.4.24 The <<enumeration>> "ParkingConditionsEnum"

Defines if normal parking conditions are suspended or special parking conditions are in force.

Enumerated value name	Designation	Definition
normalParkingConditionsSuspended	Normal parking conditions suspended	The parking conditions (possibly including tariffs) that normally apply are temporarily suspended.
other	Other	Other.
specialParkingConditionsInForce	Special parking conditions in force	Parking conditions, other than those that normally apply, are currently in force for the parking site.

Table 72— Values contained in the enumeration "ParkingConditionsEnum"

A.4.25 The <<enumeration>> "ParkingDurationEnum"

Parking durations.

Enumerated value name	Designation	Definition
longTerm	Long term	Long term parking in excess of any specified short term parking.
other	Other	Other.
pickUpDropOff	Pick up drop off	Very short duration parking normally of up to 20 minutes assigned for pick-ups and drop-offs.
shortTerm	Short term	Short term parking without indication of max-duration.
shortTerm24hours	Short term24hours	Short term parking up to 24 hours.
shortTerm48hours	Short term48hours	Short term parking up to 48 hours.
shortTerm72hours	Short term72hours	Short term parking up to 72 hours.
shortTerm96hours	Short term96hours	Short term parking up to 96 hours.
unknown	Unknown	Unknown.

Table 73— Values contained in the enumeration "ParkingDurationEnum"

A.4.26 The <<enumeration>> "ParkingFaultEnum"

Types of parking site or access faults.

Enumerated value name	Designation	Definition
barrierMalfunction	Barrier malfunction	The entrance or exit barrier(s) are malfunctioning causing access problems to vehicles.
communicationsFailure	Communications failure	Communications failure affecting parking site.
entranceExitObstructed	Entrance exit obstructed	One or more entrances or exits are obstructed to some degree causing access problems to vehicles.
erroneousOccupancyDisplayed	Erroneous occupancy displayed	Occupancy information displayed on signs associated with parking site (e.g. at entrance) are erroneous.
erroneousOccupancyInformation	Erroneous occupancy information	Occupancy information is subject to errors due to malfunctioning equipment.
noParkingInformationAvailable	No parking information available	No parking information available.
other	Other	Other than as defined in this enumeration.
paymentMachinesInoperative	Payment machines inoperative	Payment machines are not functioning normally.
reservationServiceOutOfOrder	Reservation service out of order	Reservation service out of order.
unknown	Unknown	Unknown parking facility fault.
unspecified	Unspecified	General fault of unspecified type.

Table 74— Values contained in the enumeration "ParkingFaultEnum"

A.4.27 The <<enumeration>> "ParkingLayoutEnum"

Types of layout of the parking site.

Enumerated value name	Designation	Definition
automatedParkingGarage	Automated parking garage	Parking is completely automated from the point of leaving the vehicle in an arrival bay to its delivery back to the driver in a pickup bay.
covered	Covered	Some covered parking space.
field	Field	A non-bituminized parking space (e.g. for events or as extension).
multiStorey	Multi storey	Parking is on multiple levels within a parking building.
nested	Nested	A parking space within a complex structure of buildings or surrounded by buildings.
openSpace	Open space	A normal ground level parking place.
other	Other	Other.
singleLevel	Single level	Parking is inside a building on a single ground floor level.
underground	Underground	Parking is on one or more floors below ground level.
undergroundAndMultistorey	Underground and multistorey	Parking is on multiple floors levels including both below and above ground level.
unknown	Unknown	Unknown.

Table 75— Values contained in the enumeration "ParkingLayoutEnum"

A.4.28 The <<enumeration>> "ParkingModeEnum"

The arrangement of the parking space or the group of parking spaces in relation to the road.

Enumerated value name	Designation	Definition
echelonParking	Echelon parking	Parking spaces are located in a diagonal relation to the road.
other	Other	Other.
parallelParking	Parallel parking	Parking spaces are located parallel to the road.
parkingOnOppositeSideOfRoad	Parking on opposite side of road	Parking is possible on the other side of the road.
perpendicularParking	Perpendicular parking	Parking spaces are located in an angle of nearly 90 degree to the road.

Table 76— Values contained in the enumeration "ParkingModeEnum"

A.4.29 The <<enumeration>> "ParkingOccupancyEnum"

Parking Occupancy enum.

Enumerated value name	Designation	Definition
expectCarParkToBeFull	Expect car park to be full	Expect car park to be full.
full	Full	Full.
percentage10	Percentage10	10% full.
percentage20	Percentage20	20% full.
percentage30	Percentage30	30% full.
percentage40	Percentage40	40% full.
percentage50	Percentage50	50% full.
percentage60	Percentage60	60% full.
percentage70	Percentage70	70% full.
percentage80	Percentage80	80% full.
percentage90	Percentage90	90% full.
unknown	Unknown	Unknown.

Table 77— Values contained in the enumeration "ParkingOccupancyEnum"

A.4.30 The <<enumeration>> "ParkingOccupancyTrendEnum"

List of terms used to describe the trend in parking space occupancy.

Enumerated value name	Designation	Definition
decreasing	Decreasing	Parking space occupancy is decreasing.
decreasingQuickly	Decreasing quickly	Parking space occupancy is decreasing quickly.
decreasingSlowly	Decreasing slowly	Parking space occupancy is decreasing slowly.
increasing	Increasing	Parking space occupancy is increasing.
increasingQuickly	Increasing quickly	Parking space occupancy is increasing quickly.
increasingSlowly	Increasing slowly	Parking space occupancy is increasing slowly.
other	Other	Other.
stable	Stable	Parking space occupancy is stable.
unknown	Unknown	Unknown.

Table 78— Values contained in the enumeration "ParkingOccupancyTrendEnum"

A.4.31 The <<enumeration>> "ParkingPaymentModeEnum"

Mode of payment for parking.

Enumerated value name	Designation	Definition
other	Other	Other.
payAndDisplay	Pay and display	Pay at machine and display ticket inside vehicle.
payAndExit	Pay and exit	Pay directly at the exit with a payment card (usually, this payment card must have been used when entering as well). In 'AccessEquipmentEnum', there are three more literals to indicate, whether an entrance or exit has got this feature.
payByPrepaidToken	Pay by prepaid token	Pay by prepaid token that is used at exit.
payManualAtExitBooth	Pay manual at exit booth	Pay at the manned exit booth of the parking site.
payPriorToExit	Pay prior to exit	Pay at machine on foot prior to returning to vehicle and use payment ticket to exit.

Table 79— Values contained in the enumeration "ParkingPaymentModeEnum"

A.4.32 The <<enumeration>> "ParkingRouteDirectionEnum"

The direction of the parking route.

Enumerated value name	Designation	Definition
awayFromParkingSite	Away from parking site	Away from parking site.
towardsParkingSite	Towards parking site	Towards parking site.

Table 80— Values contained in the enumeration "ParkingRouteDirectionEnum"

A.4.33 The <<enumeration>> "ParkingRouteTypeEnum"

The type of the parking route.

Enumerated value name	Designation	Definition
bicycle	Bicycle	A parking route for bicycles.
lorry	Lorry	A parking route for lorries.
other	Other	Another type of parking route.
pedestrian	Pedestrian	A parking route for pedestrian.

Table 81— Values contained in the enumeration "ParkingRouteTypeEnum"

A.4.34 The <<enumeration>> "ParkingSecurityEnum"

Specifies security measures related to the parking site or particular spaces.

Enumerated value name	Designation	Definition
areaSeperatedFromSurroundings	Area seperated from surroundings	Site is separated from its surroundings. Can also be used to express a space for noise-producing vehicles, e.g. lorries with cooling generators.
cctv	Cctv	CCTV (camera observation).
dog	Dog	Dog.
externalSecurity	External security	External security, e.g. police or staff not directly belonging to the parking.
fences	Fences	Fences.
floodLight	Flood light	Flood light (stronger than lighting).
guard24hours	Guard24hours	24/24 guard.
lighting	Lighting	Site is illuminated in a normal way (but not as strong as 'floodLight').
none	None	There are no security measures.
other	Other	None of the values in this enumeration applies. Use 'parkingAdditionalSecurity' instead.
securityStaff	Security staff	Security staff.
socialControl	Social control	Social control e.g. parking situated in a neighbourhood.
unknown	Unknown	Unknown.

Table 82— Values contained in the enumeration "ParkingSecurityEnum"

A.4.35 The <<enumeration>> "ParkingSiteOvercrowdingStatusEnum"

The overcrowding status of the parking site. Choose between two levels or simply (no) overcrowding.

Enumerated value name	Designation	Definition
noOvercrowding	No overcrowding	The parking site is not overcrowded.
other	Other	Other.
overcrowding	Overcrowding	The parking site is overcrowded (as specified in ParkingThresholds).
overcrowdingLevel1	Overcrowding level1	The parking site is overcrowded at level 1 (as specified in ParkingThresholds).
overcrowdingLevel2	Overcrowding level2	The parking site is overcrowded at level 2 (as specified in ParkingThresholds).
unknown	Unknown	The overcrowding level is unknown.

Table 83— Values contained in the enumeration "ParkingSiteOvercrowdingStatusEnum"

A.4.36 The <<enumeration>> "ParkingSiteStatusEnum"

The status of the parking site (spaces available or not).

Enumerated value name	Designation	Definition
almostFull	Almost full	The parking site is almost full (as defined by its configuration parameters).
full	Full	The parking site is full (as defined by its configuration parameters).
fullAtEntrance	Full at entrance	The parking site is considered full at its entrance (e.g. full sign is displayed at entrance or on managing VMS).
other	Other	Other.
spacesAvailable	Spaces available	Parking spaces are currently available.
unknown	Unknown	The status of the parking site is unknown.

Table 84— Values contained in the enumeration "ParkingSiteStatusEnum"

A.4.37 The <<enumeration>> "ParkingSpaceAccessibilityEnum"

Easements for handicapped people expecially related to a parking space or a group of parking spaces.

Enumerated value name	Designation	Definition
bordersMarked	Borders marked	The border of the parking space is marked (painted on the ground).
extraSpaceLeftSide	Extra space left side	There is some extra space on the left side of the parking space (in parking direction point of view), for example to improve the situation for wheelchair users.
extraSpaceRightSide	Extra space right side	There is some extra space on the right side of the parking space (in parking direction point of view), for example to improve the situation for wheelchair users.
nearbyPedestrianExit	Nearby pedestrian exit	The parking space is quite near to a pedestrian exit. Note: Can be more exactly defined by using 'dedicatedAccess'.
other	Other	Other.

Table 85— Values contained in the enumeration "ParkingSpaceAccessibilityEnum"

A.4.38 The <<enumeration>> "ParkingSpacePhysicsEnum"

Specifies drive through and open air properties for the parking space or the group of parking spaces.

Enumerated value name	Designation	Definition
driveThrough	Drive through	Entering as well as leaving the parking space can be done straight in the direction of parking.
openAir	Open air	There is no roof and not another storey on top of the parking space, which could prevent from rain, for example.

Table 86— Values contained in the enumeration "ParkingSpacePhysicsEnum"

A.4.39 The <<enumeration>> "ParkingSpecialLocationEnum"

Locations, often associated with a building, for a SpecialLocationParkingSite.

Enumerated value name	Designation	Definition
airportTerminal	Airport terminal	The parking site is associated with an airport terminal.
cableCarStation	Cable car station	The parking site is associated with a cable car station.
campground	Campground	The parking site is associated with a campground.
cinema	Cinema	The parking site is associated with a cinema.
coachStation	Coach station	The parking site is associated with a coach station.
conventionCentre	Convention centre	The parking site is associated with a convention centre.
exhibitonCentre	Exhibiton centre	The parking site is associated with an exhibition centre.
ferryTerminal	Ferry terminal	The parking site is associated with a ferry terminal.
market	Market	The parking site is associated with a market.
other	Other	The parking site is associated with some other location. Use "parkingOtherSpecialLocation" to specify details.
publicTransportStation	Public transport station	The parking site is associated with a public transport station.
religiousCentre	Religious centre	The parking site is associated with a religious centre.
shoppingCentre	Shopping centre	The parking site is associated with a shopping centre.
skilift	Skilift	The parking site is associated with a ski lift.
specificFacility	Specific facility	The parking site is associated with a specific facility (e.g. a hospital, a tourist site, a garden centre, a park etc.).. Attribute "parkingOtherSpecialLocation" may be used to specify details.
themePark	Theme park	The parking site is associated with a theme park.
trainStation	Train station	The parking site is associated with a train station.
unknown	Unknown	Unknown.

Enumerated value name	Designation	Definition
vehicleOnRailTerminal	Vehicle on rail terminal	The parking site is associated with a vehicle-to-rail terminal.

Table 87— Values contained in the enumeration "ParkingSpecialLocationEnum"

A.4.40 The <<enumeration>> "ParkingSupervisionEnum"

Defines the kind of supervision of the parking site.

Enumerated value name	Designation	Definition
controlCentreOffSite	Control centre off site	Control centre off site.
controlCentreOnSite	Control centre on site	Control centre on site.
none	None	None.
onSite	On site	On site.
other	Other	Other.
patrol	Patrol	Patrol.
remote	Remote	Remote.
unknown	Unknown	Unknown.

Table 88— Values contained in the enumeration "ParkingSupervisionEnum"

A.4.41 The <<enumeration>> "ParkingTypeOfGroup"

The type of group specification (group of parking spaces).

Enumerated value name	Designation	Definition
adjacentSpaces	Adjacent spaces	A description of adjacent spaces.
completeFloor	Complete floor	A description for a complete floor in a car park.
mixedUsage	Mixed usage	A definition for mixed usage for this group (e.g. by time). This means there are more definitions for this group or for sub- or supersets of it.
nonAdjacentSpaces	Non adjacent spaces	A description of non-adjacent spaces.
other	Other	Some other kind of group.
singleParameters	Single parameters	This group provides some single features for a selected number of spaces. For example, you can define all spaces, where electric charging stations are provided. It is not a complete description of the parking spaces.
statisticsOnly	Statistics only	This group provides statistical figures only, for example 60 spaces for lorries in total. Usually, this kind of group does not use georeference information. It is not a complete description of parking spaces.

Table 89— Values contained in the enumeration "ParkingTypeOfGroup"

A.4.42 The <<enumeration>> "ParkingUsageScenarioEnum"

Types of parking usage (park & ride, kiss & ride, ...)

Enumerated value name	Designation	Definition
automaticParkingGuidance	Automatic parking guidance	Specifies, if there is a (visual) guidance system within the parking site, which helps the drivers to find free spaces. Note: This is not a parking VMS or a parking route, which are usually located outside the parking site.
carSharing	Car sharing	A parking site for people who are sharing cars organised by a car sharing company..
dropOff	Drop off	The parking site or space(s) are designed for drop off only.
dropOffMechanical	Drop off mechanical	A mechanical drop off service.
dropOffWithValet	Drop off with valet	A valet drop off service.
eventParking	Event parking	Parking is associated with an event. Use 'eventParkingType' or 'eventParkingType2' to specify the event.
kissAndRide	Kiss and ride	Parking site with possibility for very short parking to drop off (or drop on) passengers for public transport.
liftshare	Liftshare	A parking site for people who are sharing their cars.
loadingBay	Loading bay	The parking site or space(s) are designed as a loading bay.
other	Other	Some other usage scenario.
overnightParking	Overnight parking	The parking site or space(s) are designed for overnight parking. Note that the absence of this scenario does not automatically mean a prohibition of overnight parking. See also PermitsAndProhibitions.
parkAndCycle	Park and cycle	A parking site for people who continue their journey by bike.
parkAndRide	Park and ride	Parking for public transport users.
parkAndWalk	Park and walk	A parking site for people who continue to walk.

Enumerated value name	Designation	Definition
restArea	Rest area	The parking site is associated with a rest area, i.e. people can relax some time outside their car there. Note that the presence of some bench, picnic place or toilet is already sufficient; there is no need for a restaurant or a building.
serviceArea	Service area	The parking site is associated with a service area.
staffGuidesToSpace	Staff guides to space	Staff guides to space.
truckParking	Truck parking	The parking site is designed for lorries (other vehicles are allowed as well).
unknown	Unknown	Unknown.
vehicleLift	Vehicle lift	Vehicle lift

Table 90— Values contained in the enumeration "ParkingUsageScenarioEnum"

A.4.43 The <<enumeration>> "ParkingVacantSpacesEnum"

Parking vacant spaces enum.

Enumerated value name	Designation	Definition
expectNoSpacesAvailable	Expect no spaces available	Expect no parking spaces available.
lessThan10SpacesAvailable	Less than10 spaces available	Less than 10 parking spaces available.
lessThan20SpacesAvailable	Less than20 spaces available	Less than 20 parking spaces available.
lessThan30SpacesAvailable	Less than30 spaces available	Less than 30 parking spaces available.
lessThan40SpacesAvailable	Less than40 spaces available	Less than 40 parking spaces available.
lessThan50SpacesAvailable	Less than50 spaces available	Less than 50 parking spaces available.
noParkingSpacesAvailable	No parking spaces available	No parking spaces available.
onlyAFewSpacesAvailable	Only a few spaces available	Only a few parking spaces available.
other	Other	Other.
unknown	Unknown	Unknown.

Table 91— Values contained in the enumeration "ParkingVacantSpacesEnum"

A.4.44 The <<enumeration>> "PaymentCardBrandsEnum"

Brands of payment cards.

Enumerated value name	Designation	Definition
americanExpress	American express	American Express
cirrus	Cirrus	Cirrus
dinersClub	Diners club	Diners Club
discoverCard	Discover card	Discover Card
giroCard	Giro card	Girocard
maestro	Maestro	Maestro
masterCard	Master card	MasterCard
other	Other	Other
visa	Visa	Visa
vPay	V pay	V PAY

Table 92— Values contained in the enumeration "PaymentCardBrandsEnum"

A.4.45 The <<enumeration>> "PaymentCardTypesEnum"

Types of payment cards.

Enumerated value name	Designation	Definition
chargeCard	Charge card	Charge card
creditCard	Credit card	Credit card
debitCard	Debit card	Debit card
fleetCard	Fleet card	Fleet or petrol station card.
other	Other	Some other type of card.
storedValueCard	Stored value card	Stored value card / prepaid card.

Table 93— Values contained in the enumeration "PaymentCardTypesEnum"

A.4.46 The <<enumeration>> "PermitTypeEnum"

Type of permission for parking.

Enumerated value name	Designation	Definition
blueZonePermit	Blue zone permit	Blue zone permit.
careTakingPermit	Care taking permit	Permit for care taking.
carpoolingPermit	Carpooling permit	A permit for vehicles used for carpooling.
carSharingPermit	Car sharing permit	A permit for car sharing vehicles.
disabledPermit	Disabled permit	Permit for disabled.
emergencyVehiclePermit	Emergency vehicle permit	Permit for emergency vehicle.
employeePermit	Employee permit	Permit for employees.
fairPermit	Fair permit	Permit of a fair.
governmentPermit	Government permit	Vehicles that have an official parking permission from the appropriate (local) government.
maintenanceVehiclePermit	Maintenance vehicle permit	Permit for a maintenance vehicle.
other	Other	Some other permit.
residentPermit	Resident permit	Permit for a resident.
roadWorksPermit	Road works permit	Permit for road works.
specificIdentifiedVehiclePermit	Specific identified vehicle permit	A specific identified vehicle.
taxiPermit	Taxi permit	Permit for a taxi.

Table 94— Values contained in the enumeration "PermitTypeEnum"

A.4.47 The <<enumeration>> "PublicEventType2Enum"

Additional types for a public event.

Enumerated value name	Designation	Definition
artEvent	Art event	Art event
beerFestival	Beer festival	Beer festival
filmFestival	Film festival	Film festival
fireworkDisplay	Firework display	Firework display
flowerEvent	Flower event	Flower event
foodFestival	Food festival	Food festival
openAirConcert	Open air concert	Open air concert
other	Other	Some other kind of public event.
soundAndLightShow	Sound and light show	Sound and light show.
streetFestival	Street festival	Street festival
theatricalEvent	Theatrical event	Theatrical event
unknown	Unknown	Service provider does not know at time of message generation.
wineFestival	Wine festival	Wine festival

Table 95— Values contained in the enumeration "PublicEventType2Enum"

A.4.48 The <<enumeration>> "PublicEventTypeEnum"

Types of public events.

Enumerated value name	Designation	Definition
agriculturalShow	Agricultural show	Agricultural show or event which could disrupt traffic.
airShow	Air show	Air show or other aeronautical event which could disrupt traffic.
athleticsMeeting	Athletics meeting	Athletics event that could disrupt traffic.
ballGame	Ball game	Ball game event that could disrupt traffic.
baseballGame	Baseball game	Baseball game event that could disrupt traffic.
basketballGame	Basketball game	Basketball game event that could disrupt traffic.
bicycleRace	Bicycle race	Bicycle race that could disrupt traffic.
boatRace	Boat race	Regatta (boat race event of sailing, powerboat or rowing) that could disrupt traffic.
boatShow	Boat show	Boat show which could disrupt traffic.
boxingTournament	Boxing tournament	Boxing event that could disrupt traffic.
bullFight	Bull fight	Bull fighting event that could disrupt traffic.
ceremonialEvent	Ceremonial event	Formal or religious act, rite or ceremony that could disrupt traffic.
commercialEvent	Commercial event	Commercial event which could disrupt traffic.
concert	Concert	Concert event that could disrupt traffic.
cricketMatch	Cricket match	Cricket match that could disrupt traffic.
culturalEvent	Cultural event	Cultural event which could disrupt traffic.
exhibition	Exhibition	Major display or trade show which could disrupt traffic.
fair	Fair	Periodic (e.g. annual), often traditional, gathering for entertainment or trade promotion, which could disrupt traffic.
festival	Festival	Celebratory event or series of events which could disrupt traffic.
filmTVMaking	Film TV making	Film or TV making event which could disrupt traffic.
footballMatch	Football match	Football match that could disrupt traffic.

Enumerated value name	Designation	Definition
funfair	Funfair	Periodic (e.g. annual), often traditional, gathering for entertainment, which could disrupt traffic.
gardeningOrFlowerShow	Gardening or flower show	Gardening and/or flower show or event which could disrupt traffic.
golfTournament	Golf tournament	Golf tournament event that could disrupt traffic.
hockeyGame	Hockey game	Hockey game event that could disrupt traffic.
horseRaceMeeting	Horse race meeting	Horse race meeting that could disrupt traffic.
internationalSportsMeeting	International sports meeting	Large sporting event of an international nature that could disrupt traffic.
majorEvent	Major event	Significant organised event either on or near the roadway which could disrupt traffic.
marathon	Marathon	Marathon, cross-country or road running event that could disrupt traffic.
market	Market	Periodic (e.g. weekly) gathering for buying and selling, which could disrupt traffic.
match	Match	Sports match of unspecified type that could disrupt traffic.
motorShow	Motor show	Motor show which could disrupt traffic.
motorSportRaceMeeting	Motor sport race meeting	Motor sport race meeting that could disrupt traffic.
other	Other	Other than as defined in this enumeration.
parade	Parade	Formal display or organised procession which could disrupt traffic.
procession	Procession	An organised procession which could disrupt traffic.
raceMeeting	Race meeting	Race meeting (other than horse or motor sport) that could disrupt traffic.
rugbyMatch	Rugby match	Rugby match that could disrupt traffic.
severalMajorEvents	Several major events	A series of significant organised events either on or near the roadway which could disrupt traffic.

Enumerated value name	Designation	Definition
show	Show	Entertainment event that could disrupt traffic.
showJumping	Show jumping	Horse showing jumping and tournament event that could disrupt traffic.
sportsMeeting	Sports meeting	Sports event of unspecified type that could disrupt traffic.
stateOccasion	State occasion	Public ceremony or visit of national or international significance which could disrupt traffic.
tennisTournament	Tennis tournament	Tennis tournament that could disrupt traffic.
tournament	Tournament	Sporting event or series of events of unspecified type lasting more than one day which could disrupt traffic.
tradeFair	Trade fair	A periodic (e.g. annual), often traditional, gathering for trade promotion, which could disrupt traffic.
waterSportsMeeting	Water sports meeting	Water sports meeting that could disrupt traffic.
winterSportsMeeting	Winter sports meeting	Winter sports meeting or event (e.g. skiing, ski jumping, skating) that could disrupt traffic.

Table 96— Values contained in the enumeration "PublicEventTypeEnum"

A.4.49 The <<enumeration>> "PublicHolidayTypeEnum"

Types of public holiday.

Enumerated value name	Designation	Definition
betweenChristmasAndNewYear	Between christmas and new year	The days between the Christmas and New Year public holidays which are not official public holidays.
boxingDay	Boxing day	The day following Christmas day.
bridgeHoliday	Bridge holiday	A day between a public holiday and the weekend.
christmasDayAndBoxingDay	Christmas day and boxing day	Christmas day and Boxing day (day following Christmas day).
christmasEve	Christmas eve	The day before Christmas day.
christmasHolidayPeriod	Christmas holiday period	The period between the Christmas and New Year public holidays (inclusive).
dayFollowingPublicHoliday	Day following public holiday	A day following a public holiday.
easterFridayHoliday	Easter friday holiday	Good Friday (the Friday prior to the Easter weekend).
easterHolidayPeriod	Easter holiday period	The period between Easter Friday and Easter Monday (inclusive).
easterMondayHoliday	Easter monday holiday	The Monday following the Easter weekend.
easterSaturday	Easter saturday	The Saturday of the Easter weekend.
easterSunday	Easter sunday	Easter Sunday.
eveOfPublicHoliday	Eve of public holiday	The day preceding a public holiday.
holidayPeriod	Holiday period	A holiday period.
inLieuOfPublicHoliday	In lieu of public holiday	A holiday in lieu of a public holiday that falls on a weekend.
january2ndHoliday	January2nd holiday	The 2nd of January holiday.
newYearsDay	New years day	New Year's day.
newYearsEve	New years eve	The day before New Year's day.
notPublicHoliday	Not public holiday	A day that is not a public holiday.
other	Other	None of the elements in the list. Public holiday is specified by 'publicHolidayName' instead.
publicHoliday	Public holiday	A public holiday in the respective country/region.

Table 97— Values contained in the enumeration "PublicHolidayTypeEnum"

A.4.50 The <<enumeration>> "RegulationEnum"

Regulation parameters for actions.

Enumerated value name	Designation	Definition
heterogeneous	Heterogeneous	The regulation rule is quite complex and cannot be noted here.
onlyInsideBuildings	Only inside buildings	Only inside buildings.
onlyOnRequest	Only on request	Only on request (i.e. permission needed).
onlyOutsideBuildings	Only outside buildings	Only outside buildings.
other	Other	Other.
permitted	Permitted	Permitted.
permittedOnlyAtParticularTimes	Permitted only at particular times	Permitted only at particular times.
permittedOnlyOnParticularAreas	Permitted only on particular areas	Permitted only on particular areas (but inside the parking site ground).
prohibited	Prohibited	Prohibited.
prohibitedAtParticularTimes	Prohibited at particular times	Prohibited at particular times.
prohibitedOnParticularAreas	Prohibited on particular areas	Prohibited on particular areas.
punishable	Punishable	The action is prohibited and can be punished.
seasonalHeterogeneous	Seasonal heterogeneous	It depends on the season, whether the action is allowed or not.
unknown	Unknown	The regulation is unknown.
unspecified	Unspecified	There is no regulation for this action.

Table 98— Values contained in the enumeration "RegulationEnum"

A.4.51 The <<enumeration>> "ReservationTypeEnum"

Reservation type enum.

Enumerated value name	Designation	Definition
mandatory	Mandatory	Places need to be reserved.
notAvailable	Not available	Places cannot be reserved.
optional	Optional	Places can be reserved, but must not.
partly	Partly	Some places can or must be reserved, others not (do not use when specifying a single parking space).
unknown	Unknown	Possibility of reservation is unknown,
unspecified	Unspecified	Possibility of reservation is not specified.

Table 99— Values contained in the enumeration "ReservationTypeEnum"

A.4.52 The <<enumeration>> "RestAreaActivityEnum"

Rest area activity enum.

Enumerated value name	Designation	Definition
barbecue	Barbecue	Barbeque.
camping	Camping	Camping.
handlingHazardousMaterial	Handling hazardous material	Handling with hazardous material.
openFire	Open fire	Open fire.
other	Other	Other.
overnightParking	Overnight parking	Overnight parking.
picnic	Picnic	Picnic.
smoking	Smoking	Smoking.

Table 100— Values contained in the enumeration "RestAreaActivityEnum"

A.4.53 The <<enumeration>> "RoadTypeEnum"

Categorisation of the road type (motorway, main road, ...).

Enumerated value name	Designation	Definition
mainRoad	Main road	Main road.
motorway	Motorway	Motorway.
other	Other	Other.
trunkRoad	Trunk road	Trunk road.

Table 101— Values contained in the enumeration "RoadTypeEnum"

A.4.54 The <<enumeration>> "ServiceFacilityTypeEnum"

Service facilities available on the parking site, parking space or group of parking spaces. In distinction to equipment, a service is mostly manned.

Enumerated value name	Designation	Definition
bikeSharing	Bike sharing	Bike Sharing.
cafe	Cafe	Cafe.
carWash	Car wash	Car wash.
docstop	Docstop	The site is part of the Docstop project, http://www.docstoponline.eu, which means medical assistance for professional drivers.
foodShopping	Food shopping	Food shopping.
hotel	Hotel	A hotel.
kiosk	Kiosk	Kiosk.
laundry	Laundry	A possibility for washing clothes (might also be a laundromat with coins).
leisureActivities	Leisure activities	There are leisure activities offered on the site or in the very near surrounding. Use the additional description attribute to give details.
medicalFacility	Medical facility	Medical facility.
motel	Motel	Hotel on the motorway or other accommodation service.
motorwayRestaurant	Motorway restaurant	Restaurant located on a motorway rest area.
motorwayRestaurantSmall	Motorway restaurant small	Smaller type of restaurant located on a motorway rest area. Might be with limited offers.
other	Other	Some other service facility. Use 'otherEquipmentOrServiceFacility' to specify it.
overnightAccommodation	Overnight accommodation	OvernightAccomodation.
petrolStation	Petrol station	Indicates whether it is possible to get petrol.
pharmacy	Pharmacy	Pharmacy.
police	Police	Indicates whether a police station is on site or very close.
restaurant	Restaurant	Restaurant.

Enumerated value name	Designation	Definition
restaurantSelfService	Restaurant self service	A restaurant where people arange and fetch their meal themselve, this might enclose a buffet.
shop	Shop	A shop of unspecified kind.
sparePartsShopping	Spare parts shopping	Spare parts shopping.
touristInformation	Tourist information	Tourist information with employees.
truckRepair	Truck repair	Truck repair.
truckWash	Truck wash	Truck wash.
tyreRepair	Tyre repair	A tyre repair service.
unknown	Unknown	Unknown.
vehicleMaintenance	Vehicle maintenance	Garage repair service.

Table 102— Values contained in the enumeration "ServiceFacilityTypeEnum"

A.4.55 The <<enumeration>> "SpecialDayTypeEnum"

Collection of general types of days.

Enumerated value name	Designation	Definition
bicycleRaceDay	Bicycle race day	Day of local bicycle race.
bullFightDay	Bull fight day	Day of local bullfight.
carnivalDay	Carnival day	Day of a local carnival involving a procession along roads.
electionDay	Election day	Election day.
exhibitionDay	Exhibition day	Day of a local exhibition.
festivalDay	Festival day	Day of a local festival.
gamesDay	Games day	Day of local games (e.g. highland games in Scotland).
holidays	Holidays	A day within the school holidays. You can use the PublicHoliday class to specify more details.
horseRaceMeetingDay	Horse race meeting day	Day of a local horse race meeting.
huntMeetingDay	Hunt meeting day	Day of a local hunt meeting.
marathonRaceDay	Marathon race day	Day of local marathon race.
marketDay	Market day	Day of a local market.
motorSportRaceMeetingDay	Motor sport race meeting day	Day of a local motor sport race meeting.
nonWorkingDay	Non working day	A non-working day in the specific country/region.
other	Other	Other.
publicHoliday	Public holiday	Public holiday.
raceMeetingDay	Race meeting day	Day of a local race meeting (other than horse or motor sport).
regattaDay	Regatta day	Day of a local regatta.
schoolDay	School day	School day.
showDay	Show day	Day of a local show.
sportsMeetingDay	Sports meeting day	Day of a local sports meeting.
undefinedDayType	Undefined day type	UndefinedDayType
unknown	Unknown	Unknown.
workingDay	Working day	A working day in the specific country/region.

Table 103— Values contained in the enumeration "SpecialDayTypeEnum"

A.4.56 The <<enumeration>> "TruckParkingDynamicManagementEnum"

Dynamic parking mode enum.

Enumerated value name	Designation	Definition
compactParking	Compact parking	Lorries are parking one after the other in different lanes; each lane has a dedicated time of departure (which might be displayed on a sign gantry).
noDynamicParkingManagement	No dynamic parking management	No dynamic parking management.
other	Other	Some other type of dynamic parking management.
queueParking	Queue parking	Lorries are parking in queues, one after the other. Each lorry must have an earlier time of departure than all the lorries behind it.

Table 104— Values contained in the enumeration "TruckParkingDynamicManagementEnum"

A.4.57 The <<enumeration>> "UrbanParkingSiteTypeEnum"

The type of an urban parking site.

Enumerated value name	Designation	Definition
offStreetParking	Off street parking	Vehicles are parking off the road, e.g. on a parking space, a car park or some other area designed for parking.
onStreetParking	On street parking	Vehicles are parking on the roadside.
other	Other	The parking is associated with some other location.

Table 105— Values contained in the enumeration "UrbanParkingSiteTypeEnum"

A.4.58 The <<enumeration>> "UserTypeEnum"

Types of users; used for parking but also for usage of equipment and services.

Enumerated value name	Designation	Definition
allUsers	All users	All users.
commuters	Commuters	Commuters.
customers	Customers	Customers.
disabled	Disabled	Physically impaired people.
elderlyUsers	Elderly users	Elderly users.
employees	Employees	Employees.
families	Families	Families.
handicapped	Handicapped	Persons with deficiencies in their daily life.
hearingImpaired	Hearing impaired	People with difficulties to hear.
hotelGuests	Hotel guests	Hotel guests.
longTermParker	Long term parker	Long-term parker.
members	Members	Members.
men	Men	Men.
other	Other	Other.
overnightParker	Overnight parker	Overnight parker.
parkAndCycleUser	Park and cycle user	Park and cycle user.
parkAndRideUsers	Park and ride users	Users that are changing into public transport at this parking.
parkAndWalkUser	Park and walk user	Park and walk user.
pensioners	Pensioners	Pensioners.
pregnantWomen	Pregnant women	Pregnant women.
registeredDisabledUsers	Registered disabled users	Registered disabled persons.
reservationHolders	Reservation holders	Those who have a valid reservation for the duration of parking.
residents	Residents	Local residents.
seasonTicketHolders	Season ticket holders	Season ticket holders.

Enumerated value name	Designation	Definition
shoppers	Shoppers	Shoppers.
shortTermParker	Short term parker	Short-term parker.
sportEventAwaySupporters	Sport event away supporters	Sport event away supporters.
sportEventHomeSupporters	Sport event home supporters	Sport event home supporters.
staff	Staff	Staff.
students	Students	Students.
subscribers	Subscribers	Subscribers.
unknown	Unknown	Unknown.
visitors	Visitors	Visitors.
visuallyImpaired	Visually impaired	People with difficulties to see.
wheelchairUsers	Wheelchair users	Wheelchair users.
women	Women	Women.

Table 106— Values contained in the enumeration "UserTypeEnum"

A.4.59 The <<enumeration>> "VehicleType2Enum"

Vehicle types which are currently not supported in vehicleType.

Enumerated value name	Designation	Definition
heavyGoodsVehicle	Heavy goods vehicle	Heavy goods vehicle
heavyGoodsVehicleWithTrailer	Heavy goods vehicle with trailer	Heavy goods vehicle with trailer
heavyHaulageVehicle	Heavy haulage vehicle	Heavy-haulage vehicle
largeCar	Large car	Large car
lightGoodsVehicle	Light goods vehicle	Light goods vehicle
lightGoodsVehicleWithTrailer	Light goods vehicle with trailer	Light goods vehicle with trailer
minibus	Minibus	Minibus
motorhome	Motorhome	Motorhome
passengerCar	Passenger car	Passenger car
smallCar	Small car	Small car
unknown	Unknown	Unknown.

Table 107— Values contained in the enumeration "VehicleType2Enum"

A.4.60 The <<enumeration>> "VehicleUsage2Enum"

Vehicle usage types which are currently not supported in vehicleUsageType.

Enumerated value name	Designation	Definition
carSharing	Car sharing	Vehicles operated by a car-sharing company.
cityLogistics	City logistics	Vehicles that are used to deliver goods in a city area.

Table 108— Values contained in the enumeration "VehicleUsage2Enum"

A.4.61 The <<enumeration>> "WinterEquipmentManagementTypeEnum"

Instructions relating to the use of winter equipment.

Enumerated value name	Designation	Definition
doNoUseStudTyres	Do no use stud tyres	Do not use stud tyres.
other	Other	Other than as defined in this enumeration.
useSnowChains	Use snow chains	Use snow chains.
useSnowChainsOrTyres	Use snow chains or tyres	Use snow chains or snow tyres.
useSnowTyres	Use snow tyres	Use snow tyres.
winterEquipmentOnBoardRequired	Winter equipment on board required	The carrying of winter equipment (snow chains and/or snow tyres) is required.

Table 109— Values contained in the enumeration "WinterEquipmentManagementTypeEnum"