

Road Communication Standards :

Data Dictionary Standard (Ver.1.05)

February 2006

National Institute for Land and
Infrastructure Management

Ministry of Land, Infrastructure and Transport

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1 Objective

By the exchange of information among individual ITS systems, the whole ITS systems can share information and then efficient system operations are expected.

In order to ensure the interoperability among ITS systems, exchanged messages must be interpreted at both sides without misunderstandings. A data dictionary prescribes the meaning and quality of minimum information unit, i.e., data element which is contained in the messages exchanged among ITS systems installed by the road agencies. The designers of these systems can select the appropriate data elements by consulting the data dictionary.

The data dictionary ensures correct message interpretation among ITS systems by defining data elements in terms of meta attributes such as name, meaning, and data expression.

2 Scope

The contents of data dictionary are applied when the road agencies use various data elements for the introduction or replacement of ITS systems. In making this data dictionary firstly, we collected data elements from the legacy systems and the following ITS systems which were then expected to be soon constructed. As real ITS systems are newly introduced, additions of data elements to the data dictionary are conducted as the need arises.

Table 2-1 Target ITS systems

1	Advance Traffic Information system	This system allows access to information regarding traffic and reservations for roadside facilities from home, the office, SA and PA, and "Michi-no-Eki"
2	Parking Information system	This system allows access to information regarding parking situations at any given destination or facility and provides possible combinations of transport modes that may be taken.
3	Public Transportation Information system	This system provides information on public transportation matters such as transfers, and allows users to make reservations, purchase tickets, reserve facilities and pay for their use in advance.
4	Highway Bus Information system	This system provides information on traffic conditions, accidents and emergencies as they pertain to the specific location of a highway bus at any given point in time.
5	External Information Exchange system	This system gives users access while in transit, to information on travel, public transportation, and roadside facilities, and enables advance payment for facility use when necessary.
6	Specially Permitted Vehicle Administration system	This system allows specialized vehicle applications to be submitted electronically, and provides information on road use permission, reduced speed zones and other required terms of road use. This system will also collect driving records as reference data for permit application reviews.

7	Oversized Load Surveillance system	This system automatically calculates the size of a vehicle load and collects results as reference data for review of permit applications.
8	Road Management Support system	This system collects road traffic information as rudimentary data for road construction and maintenance plans. In addition, it allows bridges and tunnels to be remotely monitored and enables the expedient detection of any abnormalities.
9	Road Environment Information system	This system collects information on road environments; information serves as material for maintenance of road environments.
10	Disaster Monitoring system	This system collects information on disasters and unusual weather conditions and utilizes it to restrict and restore road use. In addition, this system provides vehicles expected to pass through the area in question with information on the condition of roads affected by disasters and unusual weather conditions.
11	AHS system for Cold Districts	provides access to the information on a vehicles, pedestrians, obstacles in a blind spot of ahead and behind the driver and weather conditions as well as geographical road alliance and real-time surface conditions
12	Detection system for Unforeseen Occurrences	provides information on a vehicles, pedestrians, obstacles in a blind spot and alerts to the presence of an oncoming vehicle
13	EDI Support system for Commercial Vehicles	gathers information on commercial vehicles and freight and provides related road traffic information to commercial carriers
14	Traffic Information system	provides information en route on road traffic and facility etc on demand and allows a user to make reservation if required
15	Routing system	provides access on demand to optimal routes based on the current traffic information and predictions
16	Traffic Management system	gathers road traffic related information and provides it on demand to the road traffic clearing houses

17	Traffic Management system for Specific Occurrences	provides road traffic and restriction information on demand to road traffic clearing houses when disasters or unusual weather conditions occurs
18	Automatic Toll Collection system	senses vehicle information and the number of passengers automatically and allows a user to electronically pay fares for parking, ferry and car-train
19	Public Transportation Operation Support system	gathers information on transit operations and the number of potential passengers at bus stops and relays it to the user when emergency of transit, provides needed information including the emergency site and most direct routes
20	Pedestrian Support system	gathers information on pedestrian's present location, destined facility and passing routes via a mobile terminal of the pedestrians en route allows the elderly to access information on elevator, wide sidewalk and etc, if needed

3 Reference

- (1) ISO 14817 Transport information and control systems –
Requirements for an ITS/TICS central Data Registry and for
ITS/TICS Data Dictionaries
- (2) ISO/IEC 8824-1:2002 Information technology
-- Abstract Syntax Notation One (ASN.1) : Specification of basic
Notation
- (3) Road Communication Standards: Message Set Standard
- (4) Road Communication Standards: Protocol Standard

4 Terms and abbreviations

4.1 Terms

Table 4-1 Abbreviations

Technical Term	Definition
ASN.1	Abstract Syntax Notation One. A structure of syntax. This notation is used to write Road Communication Standards (e.g., definition of the structure of data dictionary, and definition of the structure of messages).
Data Element	some single unit of information of interest (such as a fact, proposition, observation, etc.) about some (entity) class of interest (e.g. a person, place, process, property, concept, association, state, event) considered to be indivisible in a particular context.
Data Set	grouping of data elements which are repeatedly used in ITS systems corresponding to the service application's requirements.
Data Dictionary	organized and constructed (electronic data base) compilation of descriptions of data concepts that provides a consistent means for documenting, storing and retrieving the syntactical form (i.e. representational form) and the meaning and connotation of each data concept.

4.2 Abbreviations

Table 4-2 Abbreviations

Abbreviation	Name
ASN.1	Abstract Syntax Notation One
DD	Data Dictionary
DS	Data Set
MS	Message Set
PT	Protocol
DE	Data Element

5 Structure of Data Dictionary

The data dictionary is composed of "road related information data dictionary," " administrative data dictionary" and "device control data dictionary" based on the data characteristics as shown in Table 5-1.

Table 5-1 Structure of Data Dictionary

		Definition
Data Dictionary	Road Related Information Data Dictionary	It defines road traffic related information (e.g., traffic jams and weather conditions) and organization information (e.g., road related facilities).
	Administrative Data Dictionary	It defines the other data elements not covered by the above two dictionaries, including event numbers and operation/test classification flags.
	Device Control Data Dictionary	It defines the command and operation information to the equipment within the scope of Road Communication Standards.

The relationship among data element, data set, and message set is illustrated in the following figure.

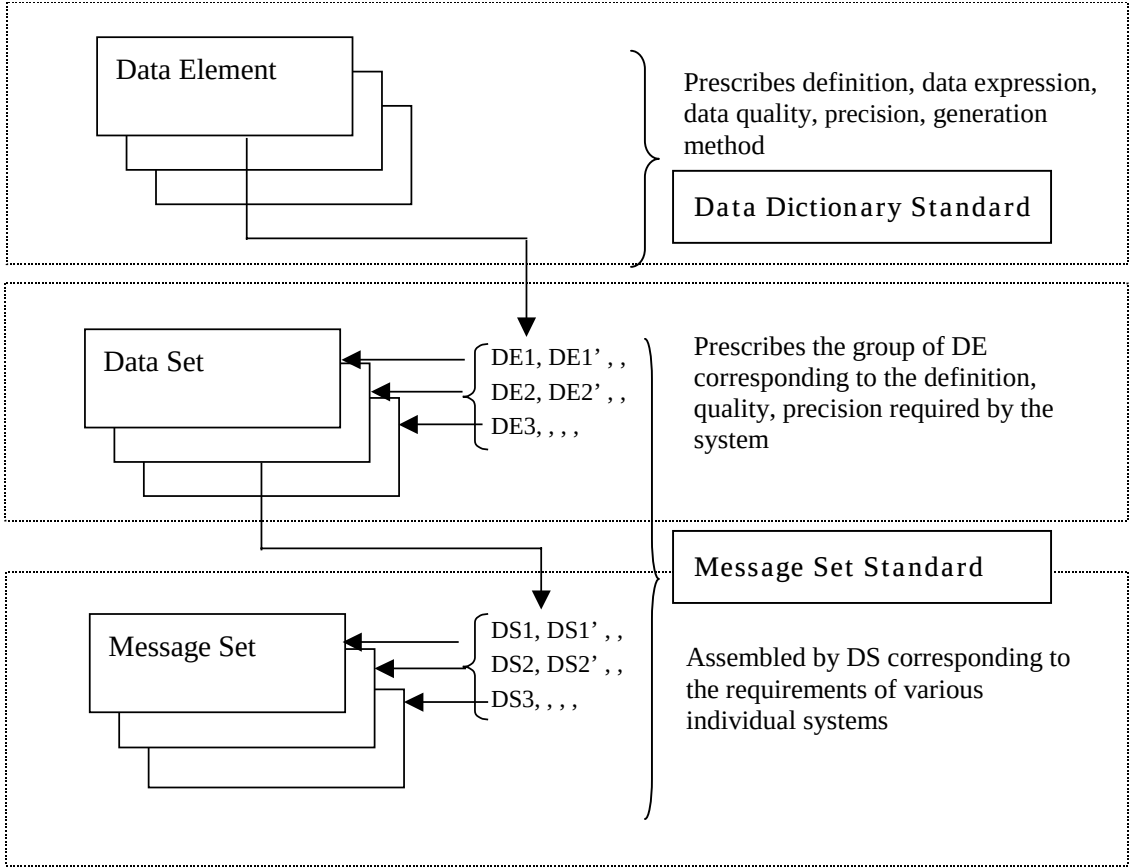


Figure 5-1 Relationship among Data Element, Data Set and Message Set

6 Definition of Data Dictionary

Indicate the definition of Data Dictionary.

RCS-data-dictionary

DEFINITIONS

AUTOMATIC TAGS ::=

BEGIN

EXPORTS All;

RCS-DATA-ELEMENT ::= CLASS

{

-- Identification Meta attributes

&dataConceptIdentifier INTEGER UNIQUE OPTIONAL,

&dataConceptVersion INTEGER OPTIONAL,

&descriptiveName UTF8String(SIZE(0..100)),

&synonymousDescriptiveName SEQUENCE OF UTF8String OPTIONAL,

&symbolicNames SEQUENCE OF UTF8String OPTIONAL,

&aSNNName UTF8String(SIZE(0..100)),

&asnObjectIdentifier OBJECT IDENTIFIER,

&uniformResourceLocator UTF8String OPTIONAL,

--Definitional Meta attributes

&definition UTF8String(SIZE(0..1000)),

&descriptiveNameContext SEQUENCE OF UTF8String,

&symbolicNameUsage SEQUENCE OF UTF8String OPTIONAL,

&source SEQUENCE OF UTF8String OPTIONAL,

&architectureReference SEQUENCE OF UTF8String OPTIONAL,

&architectureName SEQUENCE OF UTF8String OPTIONAL,

&architectureVersion SEQUENCE OF UTF8String OPTIONAL,

&dataConceptType ENUMERATED{object-class, property, value-domain, data-element-concept, data-element, data-frame, message, interface-dialogue, association, ... },

&remarks UTF8String OPTIONAL,

&context UTF8String OPTIONAL,

&standard UTF8String(SIZE(0..27)),

&dataQuality UTF8String(SIZE(0..20)) OPTIONAL,

```

-- Relational Meta attributes
&precursor SEQUENCE OF UTF8String OPTIONAL,
&successor SEQUENCE OF UTF8String OPTIONAL,
&synonym SEQUENCE OF UTF8String OPTIONAL,
&referencedDataframes SEQUENCE OF OBJECTIDENTIFIER OPTIONAL,
&referencedDataElements SEQUENCE OF OBJECTIDENTIFIER OPTIONAL,
&referencedObjectClasses SEQUENCE OF OBJECTIDENTIFIER OPTIONAL,

-- Representational Meta attributes
&DataType ,
&format UTF8String(SIZE(0..20)),
&unitOfMeasure UTF8String(SIZE(0..20)),
&validValueRule UTF8String(SIZE(0..80)),

-- Administrative Meta attributes
&registrationStatus CHOICE { qualitative ENUMERATED { card, draft, recorded, qualified,
preferred } OPTIONAL,
&dateRegistered GeneralizedTime OPTIONAL,
&lastChangeDate GeneralizedTime OPTIONAL,
&lastChangeUser UTF8String OPTIONAL,
&registrarOrganizationName UTF8String OPTIONAL,
&registrarPhoneNumber UTF8String OPTIONAL,
&stewardOrganizationName UTF8String OPTIONAL,
&stewardPhoneNumber UTF8String OPTIONAL,
&submitterOrganizationName UTF8String OPTIONAL,
&submitterPhoneNumber UTF8String OPTIONAL,
&user SEQUENCE OF UTF8String OPTIONAL,
&view UTF8String OPTIONAL,
&relatedGroups SEQUENCE OF UTF8String OPTIONAL,
&securityClass UTF8String OPTIONAL,
}

WITH SYNTAX {

[DATA-CONCEPT-IDENTIFIER &dataConceptIdentifier]
[DATA-CONCEPT-VERSION &dataConceptVersion]

```

DESCRIPTIVE-NAME &descriptiveName
 [SYNONYMOUS-DESCRIPTIVE-NAMES &synonymousDescriptiveName]
 [SYMBOLIC-NAMES &symbolicNames]
 ASN-NAME &aSNName
 ASN-OBJECT-IDENTIFIER &asnObjectIdentifier
 [URL &uniformResourceLocator]
 DEFINITION &definition
 DESCRIPTIVE-NAME-CONTEXT &descriptiveNameContext
 [SYMBOLIC-NAME-USAGE &symbolicNameUsage]
 [SOURCE &source]
 [ARCHITECTURE-REFERENCE &architectureReference]
 [ARCHITECTURE-NAME &architectureName]
 [ARCHITECTURE-VERSION &architectureVersion]
 DATA-CONCEPT-TYPE &dataConceptType
 [REMRKS &remarks]
 [CONTEXT &context]
 STANDARD &standard
 [DATA-QUALITY &dataQuality]
 [PRECURSOR &precursor]
 [SUCCESSOR &successor]
 [SYNONYM &synonym]
 [REFERENCED-DATA-FRAMES &referencedDataFrames]
 [REFERENCED-DATA-ELEMENTS &referencedDataElements]
 [REFERENCED-OBJECT-CLASSES &referencedObjectClasses]
 DATA-TYPE &DataType
 FORMAT &format
 UNIT-OF-MEASURE &unitOfMeasure
 VALID-VALUE-RULE &validValueRule
 [REGISTRATION-STATUS ®istrationStatus]
 [DATE-REGISTERED &dateRegistered]
 [LAST-CHANGE-DATE &lastChangeDate]
 [LAST-CHANGE-USER &lastChangeUser]
 [REGISTRAR-ORGANIZATION-NAME ®istrarOrganizationName]
 [REGISTRAR-PHONE-NUMBER ®istrarPhoneNumber]
 [STEWARD-ORGANIZATION-NAME &stewardOrganizationName]
 [STEWARD-PHONE-NUMBER &stewardPhoneNumber]

```
[SUBMITTER-ORGANIZATION-NAME &submitterOrganizationName]
[SUBMITTER-PHONE-NUMBER &submitterPhoneNumber]
[USER &user]
[VIEW &view]
[RELATED-GROUPS &relatedGroups]
[SECURITY-CLASS &securityClass]
}
```

--Indicate the Road Related Information Data Dictionary data element module

datesYear RCS-DATA-ELEMENT::=

```
{  
  DESCRIPTIVE-NAME    "year"  
  Asn1Name            "datesYear"  
  ASN-OBJECT IDENTIFER { }  
  DEFINITION          "Year in four figures."  
  DESCRIPTIVE-NAME-CONTEXT { }  
  DATE-CONCEPT-TYPE data-element  
  STANDARD             "Road Communication Standard"  
  DATATYPE            INTEGER(1900..2155)  
  FORMAT              "9999"  
  UNIT-OF-MEASURE      "year"  
  VALID-VALUE-RULE     "VALUE(1900..2155)in 1year"  
  DATA-QUALTY  
  REGISTRATION-STATUS      recorded  
}
```

```

datesMonth RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "month"
  Asn1Name            "datesMonth"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Month: January, ... , December."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(1..12)
  FORMAT               "99"
  UNIT-OF-MEASURE      "month"
  VALID-VALUE-RULE     "VALUE(1..12)in 1month"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```



```

datesDate RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "date"
  Asn1Name            "datesDate"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Day: 1, ..., 31."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(1..31)
  FORMAT              "99"
  UNIT-OF-MEASURE      "day"
  VALID-VALUE-RULE     "VALUE(1..31)in 1day"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

datesDayOfTheWeek RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "dayoftheweek"
  Asn1Name            "datesDayOfTheWeek"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Week: Monday, ..., Sunday."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{sunday(0),monday(1),tuesday(2),wednesday(3),thursday(4),fri
day(5),saturday(6),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE      "dayOfTheWeek"
  VALID-VALUE-RULE     "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

datesHour RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "hour"
  Asn1Name            "datesHour"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Hour: 0, ... , 23."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..23)
  FORMAT              "99"
  UNIT-OF-MEASURE      "hour"
  VALID-VALUE-RULE     "VALUE(0..23)in 1hour"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

datesMinute RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "minute"
  Asn1Name            "datesMinute"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Minute: 0, ... , 59."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..59)
  FORMAT               "99"
  UNIT-OF-MEASURE      "minute"
  VALID-VALUE-RULE     "VALUE(0..59)in 1minute"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

datesSecond RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "second"
  Asn1Name            "datesSecond"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Second: 0, ... , 59."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..59)
  FORMAT              "99"
  UNIT-OF-MEASURE      "second"
  VALID-VALUE-RULE     "VALUE(0..59)in 1second"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

datesDateOfYear RCS-DATA-ELEMENT ::=
{
  DESCRIPTIVE-NAME    "dateofyear"
  Asn1Name            "datesDateOfYear"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates the date specified by calendar year, month, and ordinal
number of the calendar month."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            DatesDateOfYear
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}
DatesDateOfYear ::= SEQUENCE{
  datesYear INTEGER(1900..2155),
  datesMonth INTEGER(1..12),
  datesDate INTEGER(1..31)}

```

```

datesUnitOfTime RCS-DATA-ELEMENT ::=
{
  DESCRIPTIVE-NAME    "unitoftime"
  Asn1Name            "datesUnitOfTime"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates the time specified by hour, minute, and second."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            DatesUnitOfTime
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

DatesUnitOfTime ::= SEQUENCE{
  datesHour   INTEGER(0..23),
  datesMinute INTEGER(0..59),
  datesSecond INTEGER(0..59),
  datesMilliSecond  INTEGER(0..999) OPTIONAL}

```

```

datesMilliSecond RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "millisecond"
  Asn1Name            "datesMilliSecond"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "millisecond: 0, ... , 999."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE            INTEGER(0..999)
  FORMAT              "999"
  UNIT-OF-MEASURE      "ms"
  VALID-VALUE-RULE     "VALUE(0..999)in 1ms"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

locationXNormalCoordinates RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "xnormalcoordinates"
  Asn1Name            "locationXNormalCoordinates"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Horizontal direction of the second coordinate unit.  The origin of the
coordinate is given at the bottom left point (So the coordinate of the top right point is
(10000,10000))."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..10000)
  FORMAT               "99999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..10000)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

locationYNormalCoordinates RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "ynormalcoordinates"
  Asn1Name            "locationYNormalCoordinates"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Vertical direction of the second coordinate unit.  The origin of the
coordinate is given at the bottom left point (So the coordinate of the top right point is
(10000,10000))."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..10000)
  FORMAT              "99999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..10000)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

locationLatitudeDegree RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "latitudedegree"
  Asn1Name            "locationLatitudeDegree"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Degree digit of angle which shows the latitude and longitude."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(-180..180)
  FORMAT              "999"
  UNIT-OF-MEASURE      "degree"
  VALID-VALUE-RULE     "VALUE(-180..180)in 1degree"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

locationLatitudeSecond RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "latitudesecond"
  Asn1Name            "locationLatitudeSecond"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Second digit of angle which shows the latitude and longitude."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..59)
  FORMAT              "99"
  UNIT-OF-MEASURE      "second"
  VALID-VALUE-RULE     "VALUE(0..59)in 1second"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

locationLatitudeMinute RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "latitudeminute"
  Asn1Name            "locationLatitudeMinute"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Minute digit of angle which shows the latitude and longitude."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..59)
  FORMAT              "99"
  UNIT-OF-MEASURE      "minute"
  VALID-VALUE-RULE     "VALUE(0..59)in 1minute"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

locationLongitudeDegree RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "longitudedegree"
  Asn1Name            "locationLongitudeDegree"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Degree digit of angle which shows the longitude."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(-180..180)
  FORMAT              "999"
  UNIT-OF-MEASURE      "degree"
  VALID-VALUE-RULE     "VALUE(-180..180)in 1degree"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

locationLongitudeSecond RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "longitudesecond"
  Asn1Name            "locationLongitudeSecond"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Second digit of angle which shows the longitude."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..59)
  FORMAT              "99"
  UNIT-OF-MEASURE      "second"
  VALID-VALUE-RULE     "VALUE(0..59)in 1second"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

locationLongitudeMinute RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "longitudeminute"
  Asn1Name            "locationLongitudeMinute"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Minute digit of angle which shows the longitude."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..59)
  FORMAT              "99"
  UNIT-OF-MEASURE      "minute"
  VALID-VALUE-RULE     "VALUE(0..59)in 1minute"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

locationXYNormalCoordinates RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "xynormalcoordinates"
  Asn1Name            "locationXYNormalCoordinates"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Horizontal and Vertical direction of the second coordinate unit. The
origin of the coordinate is given at the bottom left point (So the coordinate of the top
right point is (10000,10000))."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            LocationXYNormalCoordinates
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

LocationXYNormalCoordinates ::= SEQUENCE{locationSecondaryCoordinatesCode
INTEGER(0..999999),
locationXNormalCoordinates  INTEGER(0..10000),
locationYNormalCoordinates  INTEGER(0..10000)}

```

```

locationLatitudeLongitudeDegree RCS-DATA-ELEMENT ::=
{
    DESCRIPTIVE-NAME    "latitudelongitudedegree"
    Asn1Name            "locationLatitudeLongitudeDegree"
    ASN-OBJECT IDENTIFIER { }
    DEFINITION          "Representation combining latitude and longitude. Latitude indicates
the coordinates to measure the earth's surface from north to south in parallel with the
equator and is expressed in degrees(±XX.XXXXXX).Latitude arrives at 90 the south
north degree as zero of the equator.The north latitude is shown by (XX.XXXXXX),and
the south latitude is shown by (-XX.XXXXXX). Longitude is indicated by the angle that
is obtained by connecting the two points at which the meridian that passes through a
certain point and the first meridian, respectively, crosses the equator and is expressed
in degrees(±XXX.XXXXXX).Longitude arrives at 180 the east west degree as standard of
the meridian.The eastlongitude is shown by (XXX.XXXXXX),and the west longitude is
shown by (-XXX.XXXXXX).
"
    DESCRIPTIVE-NAME-CONTEXT { }
    DATE-CONCEPT-TYPE  data-element
    STANDARD              "Road Communication Standard"
    DATATYPE              LocationLatitudeLongitudeDegree
    FORMAT
    UNIT-OF-MEASURE       "degree"
    VALID-VALUE-RULE
    DATA-QUALITY
    REGISTRATION-STATUS   recorded
}
LocationLatitudeLongitudeDegree ::= SEQUENCE{locationLatitudeDegree
INTEGER(-900000000..900000000),locationLongitudeDegree
INTEGER(-1800000000..1800000000)}

```

```

locationLatitudeDegree RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "latitudedegree"
  Asn1Name            "locationLatitudeDegree"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Latitude indicates the coordinates to measure the earth's surface
from north to south in parallel with the equator and is expressed in
degrees/minutes/seconds (xxx xx xxx).Latitude arrives at 90 the south north degree as
zero of the equator.The north latitude is shown by (XX XX XXXX),and the south latitude
is shown by (-XX XX XXXX)."
```

DESCRIPTIVE-NAME-CONTEXT { }

DATE-CONCEPT-TYPE data-element

STANDARD "Road Communication Standard"

DATATYPE INTEGER(-900000000..900000000)

FORMAT "99v999999"

UNIT-OF-MEASURE "degree"

VALID-VALUE-RULE "VALUE(-90.000000..90.000000)in 0.000001degree"

DATA-QUALITY

REGISTRATION-STATUS recorded

```

}
```

```

locationLongitudeDegree RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "longitudedegree"
  Asn1Name            "locationLongitudeDegree"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Longitude is indicated by the angle that is obtained by connecting the
two points at which the meridian that passes through a certain point and the first
meridian, respectively, crosses the equator and is expressed in degrees/minutes/seconds
(xxx xx xxx).Longitude arrives at 180 the east west degree as standard of the
meridian.The eastlongitude is shown by (XX XX XXXX),and the west longitude is shown
by (-XX XX XXXX)."
```

DESCRIPTIVE-NAME-CONTEXT { }

DATE-CONCEPT-TYPE data-element

STANDARD "Road Communication Standard"

DATATYPE INTEGER(-1800000000..1800000000)

FORMAT "999v9999999"

UNIT-OF-MEASURE "degree"

VALID-VALUE-RULE "VALUE(-180.000000..180.000000)in 0.000001degree"

DATA-QUALITY

REGISTRATION-STATUS recorded

```

}
```

```

locationTollRoadSpotKp RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "tollroadspotkp"
  Asn1Name            "locationTollRoadSpotKp"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "KP value.  A road administrated by Japan Highway Public
  Corporation has this KP value.  The number is put at 10 m intervals."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(-999999..999999)
  FORMAT              "999999"
  UNIT-OF-MEASURE      "m"
  VALID-VALUE-RULE     "VALUE(-999999..999999)in 1m"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

locationNationalRoadSpotKp RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "nationalroadspotkp"
  Asn1Name            "locationNationalRoadSpotKp"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "KP value.  A road administrated by Ministry of Construction has
this KP value.  The number is put in 10 m intervals."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(-999999..999999)
  FORMAT              "999999"
  UNIT-OF-MEASURE      "m"
  VALID-VALUE-RULE     "VALUE(-999999..999999)in 1m"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

locationLinkEndDistance RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "linkenddistance"
  Asn1Name            "locationLinkEndDistance"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Distance from end point of link.  This value is used to indicate a
point in the link.  The value (in meters) means the distance between the point and the
end point of the link.  The end point of the link means the lowest point with respect to
the direction of movement; that is, the node number of the end point is greater than that
of the start point.  By a link and this distance, a point is identified."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..99999)
  FORMAT               "99999"
  UNIT-OF-MEASURE      "m"
  VALID-VALUE-RULE     "VALUE(0..99999)in 1m"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

locationOffset RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "offset"
  Asn1Name            "locationOffset"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Distance (in meters) of a point from the road shoulder."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT               "9999"
  UNIT-OF-MEASURE      "m"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1m"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

locationAltitudeGround RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "altitudeground"
  Asn1Name            "locationAltitudeGround"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Vertical distance (in meters) from the road surface."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(-999..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "m"
  VALID-VALUE-RULE     "VALUE(-999..9999)in 1m"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

locationAltitudeSea RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "altitudesea"
  Asn1Name            "locationAltitudeSea"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Vertical distance (in meters) from sea level."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(-999..9999)
  FORMAT               "9999"
  UNIT-OF-MEASURE      "m"
  VALID-VALUE-RULE     "VALUE(-999..9999)in 1m"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

locationLinkLayer RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "linklayer"
  Asn1Name            "locationLinkLayer"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Classification of link.  Classify as narrow area, medium area and
wide area."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{narrowArea(1),mediumArea(2),wideArea(3),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

locationLinkEntry RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "linkentry"
  Asn1Name            "locationLinkEntry"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of a road.  This code is used with link number and link
layer to identify a point ."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{expressway(0),urbanExpressway(1),ordinaryRoad(2),others(3
),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

locationLinkNumber RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "linknumber"
  Asn1Name            "locationLinkNumber"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Classification number of a link.  In a second co-ordinate, a link has a
unique number.  The number is given as (node 1) + (node 2).  Node 1 is the smaller of
two node numbers of two end points of a link.  The other node number is put as node 2.
Each link is represented as (second co-ordinate (6 digit) + link layer (1 digit) + link area
(1 digit) + link number (4 digit))."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE  data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(1..4095)
  FORMAT               "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(1..4095)"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

locationCourseDistance RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "coursedistance"
  Asn1Name            "locationCourseDistance"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Length of a link."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE            INTEGER(0..99999)
  FORMAT              "99999"
  UNIT-OF-MEASURE      "m"
  VALID-VALUE-RULE     "VALUE(0..99999)in 1m"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

locationSpanCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "spancode"
  Asn1Name            "locationSpanCode"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "This number is used to administrate special vehicles."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(111111111111..999999999999)
  FORMAT               "999999999999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(111111111111..999999999999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

locationSpanDistance RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "spandistance"
  Asn1Name            "locationSpanDistance"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Length of the span."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999999)
  FORMAT              "999999"
  UNIT-OF-MEASURE      "m"
  VALID-VALUE-RULE     "VALUE(0..999999)in 1m"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

locationSpanNumber RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "spannumber"
  Asn1Name            "locationSpanNumber"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Indicates the number of spans numbered for the special car
management"
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             OCTET STRING
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

locationRegionCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "regioncode"
  Asn1Name            "locationRegionCode"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Two digits code of region.  This number is the first two digits of the
code of a local district."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{hokkaido(1),aomoriPrefecture(2),iwatePrefecture(3),miyagiPr
efecture(4),akitaPrefecture(5),yamagataPrefecture(6),fukushimaPrefecture(7),ibaragiP
refecture(8),tochigiPrefecture(9),gunmaPrefecture(10),saitamaPrefecture(11),chibaPref
ecture(12),tokyo(13),kanagawaPrefecture(14),niigataPrefecture(15),toyamaPrefecture(1
6),ishikawaPrefecture(17),fukuiPrefecture(18),yamanashiPrefecture(19),naganoPrefect
ure(20),gifuPrefecture(21),shizuokaPrefecture(22),aichiPrefecture(23),miePrefecture(24
),shigaPrefecture(25),kyotoPrefecture(26),osakaPrefecture(27),hyogoPrefecture(28),nar
aPrefecture(29),wakayamaPrefecture(30),tottoriPrefecture(31),shimanePrefecture(32),
okayamaPrefecture(33),hiroshimaPrefecture(34),yamaguchiPrefecture(35),tokushimaP
refecture(36),kagawaPrefecture(37),ehimePrefecture(38),kochiPrefecture(39),fukuokaP
refecture(40),sagaPrefecture(41),nagasakiPrefecture(42),kumamotoPrefecture(43),oita
Prefecture(44),miyazakiPrefecture(45),kagoshimaPrefecture(46),okinawaPrefecture(47)
,invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

locationLifeAreaCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "lifeareacode"
  Asn1Name            "locationLifeAreaCode"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "A location life area is made up of a central city and satellite villages.
The radius of a location life area is 20 to 30 km and its population is 150 to 300
thousand (the size varies with the distance between the central city and villages).  The
idea to divide the country (except Okinawa prefecture and big city areas) into location
life areas was given by the Ministry of Construction in 1970 to improve the standard of
living in all parts of the country."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT               "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS  recorded
}

```

```

locationMunicipalityCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "municipalitycode"
  Asn1Name            "locationMunicipalityCode"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The area code is defined by JIS X 0402.  A code is constructed as (two
digit code of region (JIS X 0401)) + (three digit code of a local district)."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..99999)
  FORMAT               "99999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..99999)"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

locationBZoneCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "bzonecode"
  Asn1Name            "locationBZoneCode"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Two digit code.  It is used to sub-divide the code of a local district;
that is, (code of region) + (code of a local district) + (B code)."
```

DESCRIPTIVE-NAME-CONTEXT { }

DATE-CONCEPT-TYPE data-element

STANDARD "Road Communication Standard"

DATATYPE INTEGER(0..99999999)

FORMAT "99999999"

UNIT-OF-MEASURE

VALID-VALUE-RULE "VALUE(0..99999999)"

DATA-QUALITY

REGISTRATION-STATUS recorded

```

}
```

```

locationCZoneCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "czonecode"
  Asn1Name            "locationCZoneCode"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Two digit code.  It is used to sub-divide a B code; that is, (code of
region) + (code of a local district) + (B code) + (C code)."
```

DESCRIPTIVE-NAME-CONTEXT { }

DATE-CONCEPT-TYPE data-element

STANDARD "Road Communication Standard"

DATATYPE INTEGER(0..999999999)

FORMAT "999999999"

UNIT-OF-MEASURE

VALID-VALUE-RULE "VALUE(0..999999999)"

DATA-QUALITY

REGISTRATION-STATUS recorded

```

}
```

```

locationWideArea RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "widearea"
  Asn1Name            "locationWideArea"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Code of wide area.  This code is constructed by road and KP value."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999)
  FORMAT               "999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..999)"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

locationHouseNumber RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "houzenumber"
  Asn1Name            "locationHouseNumber"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "The data wherein house numbers of institutions, buildings, etc. Are
given."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..256))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALTY
  REGISTRATION-STATUS      recorded
}

```


locationBaseRoadLinkNumber RCS-DATA-ELEMENT::=

{

DESCRIPTIVE-NAME "baseroadlinknumber"

Asn1Name "locationBaseRoadLinkNumber"

ASN-OBJECT IDENTIFIER { }

DEFINITION "The Base Road Link Numbers are given as the numbers wherein the Node Number (4 digits) located across the link are sorted in ascending and descending order.

The target Base Road Link defined here is the road networks comprising; (1) roads that are larger than general prefectural roads; (2) roads having a width of 5.5m or greater, excluding those stated in above (1); and (3) interconnecting roads (crossover roads connecting ramps and main roads) that connect the foregoing roads stated in (1) and (2)."

DESCRIPTIVE-NAME-CONTEXT { }

DATE-CONCEPT-TYPE data-element

STANDARD "Road Communication Standard"

DATATYPE INTEGER(0..99999999)

FORMAT "99999999"

UNIT-OF-MEASURE

VALID-VALUE-RULE "VALUE(0..99999999)"

DATA-QUALITY

REGISTRATION-STATUS recorded

}

```

locationLocalRoadSpotKp RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "localroadspotkp"
  Asn1Name            "locationLocalRoadSpotKp"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "KP value.  A road administrated by local public bodies has this KP
value.  The number is put at 10 m intervals."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(-999999..999999)
  FORMAT              "999999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(-999999..999999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

locationLinkVersion RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "linkversion"
  Asn1Name            "locationLinkVersion"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          ""
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE            INTEGER(0..999999)
  FORMAT              "999999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..999999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

locationBaseRoadLinkVersion RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "baseroadlinkversion"
  Asn1Name            "locationBaseRoadLinkVersion"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          ""
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT               "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

roadRoadType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "roadtype"
  Asn1Name            "roadRoadType"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Type of a road.  Classified by size and/or administrator.  Defined by
each route."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{nationalExpressway(1),cityHighway(2),generalTollRoad(3),th
eWayOnlyForCars(4),generalNationalHighwaySpecifiedSection(5),generalNationalHig
hwayOutsideSpecifiedSection(6),mainDistrictWay(7),generalAllPrefecturesWay(8),mun
icipalRoad(9),other(98),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

roadRouteName RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "routename"
  Asn1Name            "roadRouteName"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Name of a road.  Put in plain text."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(120))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

roadTollRoadRouteCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "tollroadrouteCode"
  Asn1Name            "roadTollRoadRouteCode"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Road code.  Each (intercity and city) expressway has an identity
code.  The code is defined by each road administrator."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..4))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

roadNationalwayRouteNumber RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "nationalwayroutenumber"
  Asn1Name            "roadNationalwayRouteNumber"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Road number.  There are 2 kinds of road number; national highway
number for national highway and prefectural road number for prefectural road.
National highway number is put in order of when the road was authorized as a national
highway.  The number is used as the name of the road."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..999)
  FORMAT              "999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

roadNumberOfTrafficLanes RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "numberoftrafficlanes"
  Asn1Name            "roadNumberOfTrafficLanes"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates number of vehicle lanes in cross section."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{noInformation(0),oneLane(1),twoLanes(2),threeLanes(3),four
Lanes(4),fiveLanes(5),sixLanes(6),sevenLanes(7),eightLanes(8),nineLanes(9),tenLanes(
10),allLanes(11),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

roadLaneType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "lanetype"
  Asn1Name            "roadLaneType"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The lane on which an event is detected."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{berm(0),upRunningLane(1),oneRunningLane(2),twoRunning
Lane(3),threeRunningLane(4),fourRunningLane(5),fiveRunningLane(6),sixRunningLa
ne(7),overtakingLane(8),allLanes(9),others(10),spare(11),sevenRunningLane(12),eight
RunningLane(13)invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

roadRouteDirectionCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "routedirectioncode"
  Asn1Name            "roadRouteDirectionCode"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Lane direction code."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             ENUMERATED{none(0), noDirection(1), up(2), down(3), inbound(4),
outbound(5), upInbound(6), downOutbound(7), updown,(8), eastbound(9),
westbound(10), northbound(11), southbound(12), bothDirections(13),
upAnotherLane(14), downAnotherLane(15), upLeft(16), downLeft(17), upRight(18),
downRight(19), upBothRoutes(20), downBothRoutes(21), inboundLeft(22),
outboundLeft(23), inboundRight(24), outboundRight(25), invalidData(97),other(98),
unknown(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

roadIntersectionNumber RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "intersectionnumber"
  Asn1Name            "roadIntersectionNumber"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Each intersection has its own number.  The number is set by the
Road Information Manual (Published by the Japan Road Traffic Information Center,
Supervised by the Ministry of Construction, Road Bureau, Road Traffic Control
Division)."
```

DESCRIPTIVE-NAME-CONTEXT { }

DATE-CONCEPT-TYPE data-element

STANDARD "Road Communication Standard"

DATATYPE INTEGER(000000..999999)

FORMAT "999999"

UNIT-OF-MEASURE

VALID-VALUE-RULE "VALUE(000000..999999)"

DATA-QUALITY

REGISTRATION-STATUS recorded

```

}
```

```

roadIcCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "iccode"
  Asn1Name            "roadIcCode"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Each Highway Public Corporation has its own IC code."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..7))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

roadGeneralNationalHighwayClassification RCS-DATA-ELEMENT::=
{
    DESCRIPTIVE-NAME    "generalnationalhighwayclassification"
    Asn1Name            "roadGeneralNationalHighwayClassification"
    ASN-OBJECT IDENTIFER { }
    DEFINITION          "Indicate the type of general road, cur road, oldroad, newroad."
    DESCRIPTIVE-NAME-CONTEXT { }
    DATE-CONCEPT-TYPE data-element
    STANDARD             "Road Communication Standard"
    DATATYPE
        ENUMERATED{unknown(0),curRoad(1),oldRoad(2),newRoad(3),researching(4
    )}
    FORMAT              "9"
    UNIT-OF-MEASURE
    VALID-VALUE-RULE    "VALUE(0..9)"
    DATA-QUALITY
    REGISTRATION-STATUS      recorded
}

```

```

roadTollRoadRouteSubCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "tollroadroutesubcode"
  Asn1Name            "roadTollRoadRouteSubCode"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          ""
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{mainLine(0),tunnel(1),mainLineBarrier(2),tollbooth(10),restA
rea(11),busStop(12),inflowRamp(20),runoffRamp(21),junction(30),other(90),invalidData
(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

roadNationalwayRouteSubCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "nationalwayroutesubcode"
  Asn1Name            "roadNationalwayRouteSubCode"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          ""
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..99)
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

movableOnboardDeviceID RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "onboarddeviceid"
  Asn1Name            "movableOnboardDeviceID"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Detecting ID of vehicle by roadside beacon system of."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT               "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

movableVehicleIdentificationNumber RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehicleidentificationnumber"
  Asn1Name            "movableVehicleIdentificationNumber"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates the identification number of a vehicle."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

movableBodyCategoryNumber RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "bodycategorynumber"
  Asn1Name            "movableBodyCategoryNumber"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Category number of license plate of a vehicle (truck or tractor) having
  permission for passage under the passage rule of special vehicles."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(10..999)
  FORMAT               "999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(10..999)"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

movableBodyKanaCharacter RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "bodykanacharacter"
  Asn1Name            "movableBodyKanaCharacter"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Kana character of license plate of a vehicle (truck or tractor) having
  permission for passage under the passage rule of special vehicles."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(1))
  FORMAT              "—"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(—)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

movableBodySequentialNumber RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "bodysequentialnumber"
  Asn1Name            "movableBodySequentialNumber"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Sequential number of license plate of a special vehicle (trailer).  The
vehicle is identified as a special vehicle by a vehicle detector."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(1..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

movableBodyCapacityCargoLoad RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "bodycapacitycargoload"
  Asn1Name            "movableBodyCapacityCargoLoad"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Indicates maximum licensed load capacity, weight, size and loading
method, according to type of vehicle."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999999)
  FORMAT               "999999"
  UNIT-OF-MEASURE      "kg"
  VALID-VALUE-RULE     "VALUE(0..999999)in 1kg"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

movableBodyFuelType RCS-DATA-ELEMENT::=
{
    DESCRIPTIVE-NAME    "bodyfueltype"
    Asn1Name            "movableBodyFuelType"
    ASN-OBJECT IDENTIFIER { }
    DEFINITION          "Fuel used as source of energy for vehicle engine."
    DESCRIPTIVE-NAME-CONTEXT { }
    DATE-CONCEPT-TYPE data-element
    STANDARD            "Road Communication Standard"
    DATATYPE
        ENUMERATED{gasoline(1),lightOil(2),lpg(3),elertric(4),others(5),unknown(8),
invalidData(9)}
    FORMAT              "9"
    UNIT-OF-MEASURE
    VALID-VALUE-RULE    "VALUE(1..9)"
    DATA-QUALITY
    REGISTRATION-STATUS      recorded
}

```

```

movableBodyVehicleGrossWeight RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "bodyvehiclegrossweight"
  Asn1Name            "movableBodyVehicleGrossWeight"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates a gross weight condition of a vehicle with fuel, lubrication
oil, cooling water, etc. full, cargo frame installed, weight of fixed number of crew as well
as maximum cargo evenly loaded. This is in accordance with the special vehicle
passage permit system and is the aggregate weight of the vehicle when applying for
passage permit, crew members and weight of the cargo."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..99999)
  FORMAT              "99999"
  UNIT-OF-MEASURE      "kg"
  VALID-VALUE-RULE     "VALUE(0..99999)in 1kg"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

movableVehicleCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehiclecode"
  Asn1Name            "movableVehicleCode"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Number allocated to a vehicle reported to be operating on the road."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999)
  FORMAT              "999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..999)"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

movableOnboardDeviceVehicleCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "onboarddevicevehiclecode"
  Asn1Name            "movableOnboardDeviceVehicleCode"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Information required to determine type of vehicle to decide
chargeable toll.  It is composed of classification code to determine whether or not it is of
a towing structure and chargeable class and the basic number of axles.  In case it has a
towing structure, it determines type of vehicle along with the number of axles detected."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{miniTwoWheeledVehicle(1),smallSizeTwoWheeledVehicle(2),
miniThreeWheeledVehicle(3),miniFourWheeledPassengerCar(4),miniFourWheeledTruc
k(5),smallSizedPassengerCar(6),smallSizedTruck(7),standardSizedPassengerCar(8),tra
ilerNormal(9),standardSizedTruckNormal(10),microBus(11),trailerMediumSized(12),st
andardSizedTruckLargeSize(13),bus(14),trailerLargeSized(15),standardSizedTruckExt
raLarge(16),trailerExtraLarge(17),extraLargeSizedSpecialPurposeVehicle(18),busExtr
aLarge(19),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

movableVehicleLicencePlateNumber RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehiclelicenceplatenumber"
  Asn1Name            "movableVehicleLicencePlateNumber"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Information related to licence plate number.  "Land Transportation
Control Bureau Code" three English letters, "Usage Code" four "hiragana" characters,
"Car Type Classification Number" three digit number, information expressed by a four
digit serial number."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            OCTET STRING (size(28))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

movableVehicleWeight RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehicleweight"
  Asn1Name            "movableVehicleWeight"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Weight of a vehicle (without cargo and driver).\"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..999999)
  FORMAT              "999999"
  UNIT-OF-MEASURE      "kg"
  VALID-VALUE-RULE     "VALUE(0..999999)in 1kg"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

movableTruckCargoLoad RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "truckcargoload"
  Asn1Name            "movableTruckCargoLoad"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Total weight of vehicle, driver and cargo listed on the application
form."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..99999)
  FORMAT               "99999"
  UNIT-OF-MEASURE      "kg"
  VALID-VALUE-RULE     "VALUE(0..99999)in 1kg"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

movableAxleLoadBeforehand RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "axleloadbeforehand"
  Asn1Name            "movableAxleLoadBeforehand"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Load to be applied to axel when a vehicle is empty."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999999)
  FORMAT               "999999"
  UNIT-OF-MEASURE      "kg"
  VALID-VALUE-RULE     "VALUE(0..999999)in 1kg"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

movableLongitudinalAxisMultiple RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "longitudinalaxismultiple"
  Asn1Name            "movableLongitudinalAxisMultiple"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Load to be applied to axel when a vehicle is empty."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999999)
  FORMAT              "999999"
  UNIT-OF-MEASURE      "kg"
  VALID-VALUE-RULE     "VALUE(0..999999)in 1kg"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

movablePostfrontAxleMultiple RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "postfrontaxlemultiple"
  Asn1Name            "movablePostfrontAxleMultiple"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The load to be applied to the front axel when a vehicle is empty"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999999)
  FORMAT               "999999"
  UNIT-OF-MEASURE      "kg"
  VALID-VALUE-RULE     "VALUE(0..999999)in 1kg"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

movableAxleLoadFuture RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "axleloadfuture"
  Asn1Name            "movableAxleLoadFuture"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The load to be applied to the rear axel when a vehicle is empty."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..999999)
  FORMAT              "999999"
  UNIT-OF-MEASURE      "kg"
  VALID-VALUE-RULE     "VALUE(0..999999)in 1kg"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

movableVehicleLengthOverall RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehiclelengthoverall"
  Asn1Name            "movableVehicleLengthOverall"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates the vehicle length."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1cm"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

movableVehicleWidth RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehiclewidth"
  Asn1Name            "movableVehicleWidth"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Indicates the width of car of street vehicle measured from road side."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT               "9999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1cm"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

movableVehicleHeightOverall RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehicleheightoverall"
  Asn1Name            "movableVehicleHeightOverall"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Indicates the maximum amount of the vehicle"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999)
  FORMAT               "999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(0..999)in 1cm"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

movableTotalPistonDisplacement RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "totalpistondisplacement"
  Asn1Name            "movableTotalPistonDisplacement"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          ""
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..99999)
  FORMAT              "99999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..99999)in 1cc"
  DATA-QUALITY        "1cc"
  REGISTRATION-STATUS   recorded
}

```

```

movableFreightOperationSituationInfo RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "freightoperationsituationinfo"
  Asn1Name            "movableFreightOperationSituationInfo"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          ""
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..65536))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityAutoParkName RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "autoparkname"
  Asn1Name            "facilityAutoParkName"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Name of parking facility"
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             UTF8String(size(0..256))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityAutoParkTelephoneNum RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "autoparktelephonenumber"
  Asn1Name            "facilityAutoParkTelephoneNum"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Telephone numbers advised by companies and individuals operating
supervised parking"
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String (size(20))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

facilityAutoParkAddress RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "autoparkaddress"
  Asn1Name            "facilityAutoParkAddress"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Addresses of places having parking"
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..256))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityFacilityCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "facilitycode"
  Asn1Name            "facilityFacilityCode"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The facility codes arbitrarily defined by the road administrator in
parking lots, SA/PA, road stations, public facilities, and other facilities (rest areas,
shelters, emergency telephones, IC, ferries, comfort facilities, etc.)"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            OCTET STRING (size(0..64))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityAmountVehiclesToBeAccommodated RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "amountvehiclestobeaccommodated"
  Asn1Name            "facilityAmountVehiclesToBeAccommodated"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates number of cars which a parking area can accommodate."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{lessThan20(0),under50(1),under100(2),under200(3),under500
(4),under1000(5),over1000(6),unknown(7),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityAutoParkCapacity RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "autoparkcapacity"
  Asn1Name            "facilityAutoParkCapacity"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The number of vehicles that can be parked in the spaces left within
the quantity of accommodation."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..99999)
  FORMAT              "99999"
  UNIT-OF-MEASURE      "vehicle"
  VALID-VALUE-RULE     "VALUE(0..99999)in 1vehicle"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityAutoParkType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "autoparktype"
  Asn1Name            "facilityAutoParkType"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Space for general use, for park and ride, and for the handicapped"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..65536))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityAutoParkStructure RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "autoparkstructure"
  Asn1Name            "facilityAutoParkStructure"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "With and without Electronic Toll Collection, three dimensional,
underground, automatic, mechanical types, etc."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..65536))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityHeightRestriction RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "heightrestriction"
  Asn1Name            "facilityHeightRestriction"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates vehicle height restriction at the parking area."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{nil(0),restrictions(1),unused(2),unknown(3),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityVehicleTypeRestriction RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehicletyperestriction"
  Asn1Name            "facilityVehicleTypeRestriction"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates vehicle type restrictions of the parking area."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{nil(0),largeSizedVehicle(1),passengerCarWith3Number(2),oth
ers(3),unknown(4),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

facilityAutoParkLengthRestriction RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "autoparklengthrestriction"
  Asn1Name            "facilityAutoParkLengthRestriction"
  ASN-OBJECT IDENTIFER {}
  DEFINITION          "Vehicle length and height restricted by parking management"
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             UTF8String(size(0..256))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityParkingFee RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "parkingfee"
  Asn1Name            "facilityParkingFee"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates fee for use of the parking area."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..99990)
  FORMAT              "99999"
  UNIT-OF-MEASURE      "yen"
  VALID-VALUE-RULE     "VALUE(0..99990)in 10yen"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityAutoParkFee RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "autoparkfee"
  Asn1Name            "facilityAutoParkFee"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Hourly fee, no time limit"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..99999)
  FORMAT              "99999"
  UNIT-OF-MEASURE      "yen"
  VALID-VALUE-RULE     "VALUE(0..99999)in 1yen"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityChargeUnit RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "chargeunit"
  Asn1Name            "facilityChargeUnit"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates the unit time per parking area."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{thirtyMinutes(0),oneHour(1),twoHours(2),threeHours(3),half
Day(4),oneDay(5),oneTime(6),unknown(7),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

facilityDiscountedFee RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "discountedfee"
  Asn1Name            "facilityDiscountedFee"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Discounts from original parking feeby methods provided by each
parking area
according to time range, time used, service tickets, etc.
"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{nil(0),discountAvailable(1),unused(2),noInformation(3),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityCongestionStatus RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "congestionstatus"
  Asn1Name            "facilityCongestionStatus"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "To indicate whether a parking facility is empty or crowded expressed
in accordance with parking facility congestion status code
"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            ENUMERATED{empty(0),fullCapacity(1),crowded(2),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityParkingTurnoverRate RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "parkingturnoverrate"
  Asn1Name            "facilityParkingTurnoverRate"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Approximate turnover rate of a parking facility"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..100)
  FORMAT              "999"
  UNIT-OF-MEASURE      "%"
  VALID-VALUE-RULE    "VALUE(0..100)in 1%"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityWaitingTime RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "waitingtime"
  Asn1Name            "facilityWaitingTime"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Approximate waiting time for parking

"

  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..999)
  FORMAT              "999"
  UNIT-OF-MEASURE      "minute"
  VALID-VALUE-RULE     "VALUE(0..999)in 1minute"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

facilityNumberOfParkingVehicles RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "numberofparkingvehicles"
  Asn1Name            "facilityNumberOfParkingVehicles"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "To express current number of vehicles in a parking facility"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..99999)
  FORMAT              "99999"
  UNIT-OF-MEASURE      "vehicle"
  VALID-VALUE-RULE     "VALUE(0..99999)in 1vehicle"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

facilityCongestionDegreeForecast RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "congestiondegreeforecast"
  Asn1Name            "facilityCongestionDegreeForecast"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Forecast of degree of congestion in a parking facility expressed in
accordance with congestion degree forecast code

"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{thisConditionWillContinue(1),willBecomeCrowded(2),willBec
omeEmpty(3),uncertain(4),invalidData(98)other(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilitySaPaName RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "sapaname"
  Asn1Name            "facilitySaPaName"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Names of service areas and parking areas"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..256))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilitySapaAreaLocationNumber RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "sapaarealocationnumber"
  Asn1Name            "facilitySapaAreaLocationNumber"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Each Highway Public Corporation has its own SA/PA number."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..8))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityFacilityContent RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "facilitycontent"
  Asn1Name            "facilityFacilityContent"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Types of services and supplementary facilities in associated facilities
such as toilets and shops
"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             UTF8String(size(0..256))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityRsName RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "rsname"
  Asn1Name            "facilityRsName"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Indicates the name of the road station."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..64))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityNameOfFacility RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "nameoffacility"
  Asn1Name            "facilityNameOfFacility"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Names of public facilities"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             UTF8String(size(0..256))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityAddressOfFacility RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "addressoffacility"
  Asn1Name            "facilityAddressOfFacility"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Addresses of public facilities"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             UTF8String(size(0..256))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

facilityTelephoneNumOfFacility RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "telephonenumberoffacility"
  Asn1Name            "facilityTelephoneNumOfFacility"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Telephone numbers advised by various public facilities"
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String (size(20))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityOpenDay RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "openday"
  Asn1Name            "facilityOpenDay"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Days open for use"
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             UTF8String(size(0..256))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityChargeOfFacility RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "chargeoffacility"
  Asn1Name            "facilityChargeOfFacility"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Hourly fee, no time limit"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..256))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityInformationOfEvent RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "informationofevent"
  Asn1Name            "facilityInformationOfEvent"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Information about events held by various facilities"
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..65536))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityCapacityOfFacility RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "capacityoffacility"
  Asn1Name            "facilityCapacityOfFacility"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Number of people who can participate in an event"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..999999999)
  FORMAT              "999999999"
  UNIT-OF-MEASURE      "person"
  VALID-VALUE-RULE     "VALUE(0..999999999)in 1person"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityNumberOfBooking RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "numberofbooking"
  Asn1Name            "facilityNumberOfBooking"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Numbers of bookings made for each month, day and hour"
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "person"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1person"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

facilityTypeOfFacility RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "typeoffacility"
  Asn1Name            "facilityTypeOfFacility"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "General information about public facilities (including availability of
facilities for the handicapped)"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             UTF8String(size(0..65536))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

facilityOtherFacilityName RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "otherfacilityname"
  Asn1Name            "facilityOtherFacilityName"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Names of other facilities such as interchanges, turnouts, emergency
  telephones, etc. managed by the road operator and ferries, etc."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..256))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

facilityStructureType RCS-DATA-ELEMENT::=
{
    DESCRIPTIVE-NAME    "structuretype"
    Asn1Name            "facilityStructureType"
    ASN-OBJECT IDENTIFIER { }
    DEFINITION          "Structure type

"

    DESCRIPTIVE-NAME-CONTEXT { }
    DATE-CONCEPT-TYPE data-element
    STANDARD             "Road Communication Standard"
    DATATYPE
        ENUMERATED{roadSurface(1),shoulder(2),slopeFace(3),bridgeBeam(4),retain
ingWallAndBankProtection(5),crossingFacilities(6),tunnel(7),roadAccessory(8),utilityTu
nnel(9),occupiedProperty(10),other(11)invalidData(99)}
    FORMAT              "99"
    UNIT-OF-MEASURE
    VALID-VALUE-RULE    "VALUE(1..99)"
    DATA-QUALITY
    REGISTRATION-STATUS      recorded
}

```

```

facilityStructureManagementNumber RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "structuremanagementnumber"
  Asn1Name            "facilityStructureManagementNumber"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Structure management number"
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            OCTET STRING
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

calculationTotalTrafficVolume RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "totaltrafficvolume"
  Asn1Name            "calculationTotalTrafficVolume"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "The total traffic density of the lane."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..999999)
  FORMAT              "999999"
  UNIT-OF-MEASURE      "vehicle"
  VALID-VALUE-RULE     "VALUE(0..999999)in 1vehicle"
  DATA-QUALITY        "1vehicle"
  REGISTRATION-STATUS  restricted
}

```

```

calculationSpotAverageSpeed RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "spotaveragespeed"
  Asn1Name            "calculationSpotAverageSpeed"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Average vehicle speed in the lane."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "km/h"
  VALID-VALUE-RULE     "VALUE(0..999.9)in 0.1km/h"
  DATA-QUALITY        "0.1km/h"
  REGISTRATION-STATUS      recorded
}

```

```

calculationOccupancy RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "occupancy"
  Asn1Name            "calculationOccupancy"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Vehicle Occupancy of the lane."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999)
  FORMAT               "99v9"
  UNIT-OF-MEASURE      "%"
  VALID-VALUE-RULE     "VALUE(0..99.9)in 0.1%"
  DATA-QUALITY        "0.1%"
  REGISTRATION-STATUS      recorded
}

```

```

calculationTrafficVolume1m RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "trafficvolume1m"
  Asn1Name            "calculationTrafficVolume1m"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Traffic (number of vehicles) passing per unit of time (1 min)."
```

DESCRIPTIVE-NAME-CONTEXT { }	
DATE-CONCEPT-TYPE	data-element
STANDARD	"Road Communication Standard"
DATATYPE	INTEGER(0..999999)
FORMAT	"999999"
UNIT-OF-MEASURE	"vehicle"
VALID-VALUE-RULE	"VALUE(0..999999)in 1vehicle"
DATA-QUALITY	"1vehicle"
REGISTRATION-STATUS	recorded

```

}
```

```

calculationTrafficVolume5m RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "trafficvolume5m"
  Asn1Name            "calculationTrafficVolume5m"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Traffic (number of vehicles) passing per unit of time (5 min)."
```

DESCRIPTIVE-NAME-CONTEXT { }

DATE-CONCEPT-TYPE data-element

STANDARD "Road Communication Standard"

DATATYPE INTEGER(0..999999)

FORMAT "999999"

UNIT-OF-MEASURE "vehicle"

VALID-VALUE-RULE "VALUE(0..999999)in 1vehicle"

DATA-QUALITY "1vehicle"

REGISTRATION-STATUS recorded

```

}
```

```

calculationTrafficVolume10m RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "trafficvolume10m"
  Asn1Name            "calculationTrafficVolume10m"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Traffic (number of vehicles) passing per unit of time (10 min)."

```



```

calculationTrafficVolume60m RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "trafficvolume60m"
  Asn1Name            "calculationTrafficVolume60m"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Traffic (number of vehicles) passing per unit of time (1 hour)."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999999)
  FORMAT              "999999"
  UNIT-OF-MEASURE      "vehicle"
  VALID-VALUE-RULE     "VALUE(0..999999)in 1vehicle"
  DATA-QUALITY        "1vehicle"
  REGISTRATION-STATUS      recorded
}

```

```

calculationPassingVehicleIndex RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "passingvehicleindex"
  Asn1Name            "calculationPassingVehicleIndex"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Sequential number of vehicles under observation."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..99999999)
  FORMAT              "99999999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99999999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

calculationSpotSpeed RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "spotspeed"
  Asn1Name            "calculationSpotSpeed"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Speed of a vehicle detected by a vehicle detector."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "km/h"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1km/h"
  DATA-QUALITY        "1km/h"
  REGISTRATION-STATUS      recorded
}

```

```

calculationVehicleHeightMeasurementResult RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehicleheightmeasurementresult"
  Asn1Name            "calculationVehicleHeightMeasurementResult"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Vehicle height detected from roadside."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999)
  FORMAT              "999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(0..999)in 1cm"
  DATA-QUALITY        "1cm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationVehicleLengthMeasurementResult RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehiclelengthmeasurementresult"
  Asn1Name            "calculationVehicleLengthMeasurementResult"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Length of a passing vehicle measured at the roadside."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1cm"
  DATA-QUALITY        "1cm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationVehiclewidthMeasurementResult RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehiclewidthmeasurementresult"
  Asn1Name            "calculationVehiclewidthMeasurementResult"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Width of a passing vehicle measured at the roadside."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1cm"
  DATA-QUALTY         "1cm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationVehicleForm RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehicleform"
  Asn1Name            "calculationVehicleForm"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Shape of vertical section of a vehicle recorded by the laser vehicle
  detector.  This data is stored in bitmapped format.  The height of the vehicle is
  calculated by the time difference between irradiation and reflection of laser.  The shape
  of the vehicle is decided by sample (for some milli seconds) reflected laser, calculated
  speed and applied to the recorded shape models."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE  data-element
  STANDARD              "Road Communication Standard"
  DATATYPE              BitString
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS    incomplete
}

```

```

calculationVehicleNetWeightMeasurementResult RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehiclenetweightmeasurementresult"
  Asn1Name            "calculationVehicleNetWeightMeasurementResult"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates the net weight condition of the vehicle with fuel, lubrication
oil, cooling water, etc. full and cargo frame, etc. installed."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..99999)
  FORMAT              "99999"
  UNIT-OF-MEASURE      "kg"
  VALID-VALUE-RULE     "VALUE(0..99999)in 1kg"
  DATA-QUALITY        "1kg"
  REGISTRATION-STATUS      recorded
}

```



```

calculationAxisNumberMeasurementResult RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "axisnumbermeasurementresult"
  Asn1Name            "calculationAxisNumberMeasurementResult"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Number of axles."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..99)
  FORMAT              "99"
  UNIT-OF-MEASURE      "axial"
  VALID-VALUE-RULE     "VALUE(0..99)in 1axial"
  DATA-QUALITY        "1axial"
  REGISTRATION-STATUS      recorded
}

```

```

calculationMaximumAxialLoadMeasurementResult RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "maximumaxialloadmeasurementresult"
  Asn1Name            "calculationMaximumAxialLoadMeasurementResult"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Maximum measured value of axial load when loaded"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..99999)
  FORMAT              "99999"
  UNIT-OF-MEASURE      "kg"
  VALID-VALUE-RULE     "VALUE(0..99999)in 1kg"
  DATA-QUALITY        "1kg"
  REGISTRATION-STATUS      recorded
}

```

```

calculationAdjointingAxialLoadMeasurementResult RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "adjointingaxialloadmeasurementresult"
  Asn1Name            "calculationAdjointingAxialLoadMeasurementResult"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Total axial load on closest adjoining wheelbase when loaded"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..99999)
  FORMAT               "99999"
  UNIT-OF-MEASURE      "kg"
  VALID-VALUE-RULE     "VALUE(0..99999)in 1kg"
  DATA-QUALITY        "1kg"
  REGISTRATION-STATUS  recorded
}

```

```

calculationVehicularGap RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehiculargap"
  Asn1Name            "calculationVehicularGap"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Critical value to decide whether the distance between target vehicle
and preceding vehicle is out of order."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..999)
  FORMAT              "999"
  UNIT-OF-MEASURE      "m"
  VALID-VALUE-RULE     "VALUE(0..999)in 1m"
  DATA-QUALITY        "1m"
  REGISTRATION-STATUS      recorded
}

```

calculationRelativeSpeed RCS-DATA-ELEMENT::=

{

DESCRIPTIVE-NAME "relativespeed"

Asn1Name "calculationRelativeSpeed"

ASN-OBJECT IDENTIFIER { }

DEFINITION "Relative speed of two continuously running vehicles. The value is given by the speed of the first vehicle minus the speed of the second vehicle."

DESCRIPTIVE-NAME-CONTEXT { }

DATE-CONCEPT-TYPE data-element

STANDARD "Road Communication Standard"

DATATYPE INTEGER(-999..999)

FORMAT "999"

UNIT-OF-MEASURE "km/h"

VALID-VALUE-RULE "VALUE(-999..999)in 1km/h"

DATA-QUALTY "1km/h"

REGISTRATION-STATUS recorded

}

```

calculationAhsVehicleSpeed RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "ahsvehiclespeed"
  Asn1Name            "calculationAhsVehicleSpeed"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Speed of subject vehicle"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(-300..300)
  FORMAT              "999"
  UNIT-OF-MEASURE      "km"
  VALID-VALUE-RULE     "VALUE(-300..300)in 1km"
  DATA-QUALITY        "1km"
  REGISTRATION-STATUS      recorded
}

```

```

calculationAhsLocationTrafficLanes RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "ahslocationtrafficlans"
  Asn1Name            "calculationAhsLocationTrafficLanes"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Lane being used by the subject vehicle."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(-10..10)
  FORMAT               "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(-10..10)"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

calculationAhsVehicleLength RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "ahsvehiclelength"
  Asn1Name            "calculationAhsVehicleLength"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Length of subject vehicle"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..50)
  FORMAT              "9v9"
  UNIT-OF-MEASURE      "m"
  VALID-VALUE-RULE     "VALUE(0..5.0)in 0.1m"
  DATA-QUALITY        "0.1m"
  REGISTRATION-STATUS   recorded
}

```



```

calculationAhsVehicleType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "ahsvehicletype"
  Asn1Name            "calculationAhsVehicleType"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Type of the subject vehicle."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{largeVehicle(1),ordinaryVehicle(2),workVehicle(3),other(4),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

calculationTemperature RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "temperature"
  Asn1Name            "calculationTemperature"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Temperature.  This value is measured by a thermometer set at
between 1.25 m to 2.0 m above ground level."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(-300..700)
  FORMAT              "99v9"
  UNIT-OF-MEASURE      "degree"
  VALID-VALUE-RULE     "VALUE(-30.0..70.0)in 0.5degree"
  DATA-QUALITY        "0.5degree"
  REGISTRATION-STATUS      recorded
}

```

```

calculationTemperatureHighQuality RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "temperaturehighquality"
  Asn1Name            "calculationTemperatureHighQuality"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Temperature."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(-999..999)
  FORMAT              "99v9"
  UNIT-OF-MEASURE      "degree"
  VALID-VALUE-RULE     "VALUE(-99.9..99.9)in 0.1degree"
  DATA-QUALITY        "0.1degree"
  REGISTRATION-STATUS      recorded
}

```

```

calculationAhsTemperature RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "ahstemperature"
  Asn1Name            "calculationAhsTemperature"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Indicates atmospheric air temperature."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE            INTEGER(-999..999)
  FORMAT              "99v9"
  UNIT-OF-MEASURE      "degree"
  VALID-VALUE-RULE     "VALUE(-99.9..99.9)in 0.1degree"
  DATA-QUALITY        "0.1degree"
  REGISTRATION-STATUS      recorded
}

```

```

calculationHighestTemperature RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "highesttemperature"
  Asn1Name            "calculationHighestTemperature"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "The highest temperature of the day measured by the temperature
gauge installed at the roadside or in an office."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER (0..999)
  FORMAT              "999"
  UNIT-OF-MEASURE      "degree"
  VALID-VALUE-RULE     "VALUE(0..999)in 1degree"
  DATA-QUALITY        "1degree"
  REGISTRATION-STATUS      recorded
}

```

```

calculationLowestTemperature RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "lowesttemperature"
  Asn1Name            "calculationLowestTemperature"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The lowest temperature of that day measured by the temperature
gauge installed at the roadside or in an office."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER (0..999)
  FORMAT              "999"
  UNIT-OF-MEASURE      "degree"
  VALID-VALUE-RULE     "VALUE(0..999)in 1degree"
  DATA-QUALITY        "1degree"
  REGISTRATION-STATUS      recorded
}

```

```

calculationSnowfallAmountHour RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "snowfallamounthour"
  Asn1Name            "calculationSnowfallAmountHour"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "The amount of snow for an hour before the time of observation."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER (0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1cm"
  DATA-QUALITY        "1cm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationHumidity RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "humidity"
  Asn1Name            "calculationHumidity"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Measured data value of humidity at the observation point."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..100)
  FORMAT              "999"
  UNIT-OF-MEASURE      "%"
  VALID-VALUE-RULE     "VALUE(0..100)in 1%"
  DATA-QUALITY        "1%"
  REGISTRATION-STATUS      recorded
}

```



```

calculationRainfallAmountIn5Minutes RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "rainfallamountin5minutes"
  Asn1Name            "calculationRainfallAmountIn5Minutes"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Precipitation in a unit of time(5 min). (Measuring time varies with
rain condition)."
```

DESCRIPTIVE-NAME-CONTEXT { }

DATE-CONCEPT-TYPE data-element

STANDARD "Road Communication Standard"

DATATYPE INTEGER(0..9999)

FORMAT "999v9"

UNIT-OF-MEASURE "mm"

VALID-VALUE-RULE "VALUE(0..999.9)in 0.1mm"

DATA-QUALITY "0.1mm"

REGISTRATION-STATUS recorded

```

}
```

```

calculationRainfallAmountIn10Minutes RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "rainfallamountin10minutes"
  Asn1Name            "calculationRainfallAmountIn10Minutes"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Precipitation in a unit of time (10 min).  (Measuring time varies with
rain condition.)"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..999.9)in 0.1mm"
  DATA-QUALTY         "0.1mm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationHourlyRainfallAmount RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "hourlyrainfallamount"
  Asn1Name            "calculationHourlyRainfallAmount"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Sum of precipitation in a unit of time (60 min).\"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT               "999v9"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..999.9)in 0.1mm"
  DATA-QUALITY        "0.1mm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationRainfallPerDay RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "rainfallperday"
  Asn1Name            "calculationRainfallPerDay"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Sum of precipitation in a unit of time (60 min) in a day.  If data is
invalid, put 9999."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..999.9)in 0.1mm"
  DATA-QUALTY        "0.1mm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationEffectiveRainfallAmount RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "effectiverainfallamount"
  Asn1Name            "calculationEffectiveRainfallAmount"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Total precipitation."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..999.9)in 0.1mm"
  DATA-QUALITY        "0.1mm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationContinuousRainfallAmount RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "continuousrainfallamount"
  Asn1Name            "calculationContinuousRainfallAmount"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Sum of precipitation in a unit of time (5 min)."
```

DESCRIPTIVE-NAME-CONTEXT { }	
DATE-CONCEPT-TYPE	data-element
STANDARD	"Road Communication Standard"
DATATYPE	INTEGER(0..9999)
FORMAT	"999v9"
UNIT-OF-MEASURE	"mm"
VALID-VALUE-RULE	"VALUE(0..999.9)in 0.1mm"
DATA-QUALTY	"0.1mm"
REGISTRATION-STATUS	recorded

```

}
```

```

calculationCurrentDayRainfallAmount RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "currentdayrainfallamount"
  Asn1Name            "calculationCurrentDayRainfallAmount"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Total precipitation in a day."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT               "999v9"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..999.9)in 0.1mm"
  DATA-QUALITY        "0.1mm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationPrecipitation RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "precipitation"
  Asn1Name            "calculationPrecipitation"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Indicates the amount of precipitation in the forecast period and the
forecast area"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9995)
  FORMAT               "999v9"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..999.5)in 0.5mm"
  DATA-QUALTY         "0.5mm"
  REGISTRATION-STATUS      recorded
}

```



```

calculationPrecipitation10MinutesHighQuality RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "precipitation10minuteshighquality"
  Asn1Name            "calculationPrecipitation10MinutesHighQuality"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Precipitation is rain, snow, hail, sleet, and dew. The quantity of
  moisture falling to the ground is also called precipitation. Precipitation is measured
  within a certain length of time (10 min) at an observation point."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..99999)
  FORMAT              "9999v9"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..9999v9)in 0.5mm"
  DATA-QUALITY        "0.5mm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationHourlyPrecipitation RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "hourlyprecipitation"
  Asn1Name            "calculationHourlyPrecipitation"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Precipitation is rain, snow, hail, sleet, and dew. The quantity of
moisture falling to the ground is also called precipitation. It indicates precipitation for
an hour before the time of observation."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9995)
  FORMAT               "999v9"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..999.5)in 0.5mm"
  DATA-QUALITY        "0.5mm"
  REGISTRATION-STATUS  recorded
}

```

```

calculationDailyPrecipitation RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "dailyprecipitation"
  Asn1Name            "calculationDailyPrecipitation"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Precipitation is rain, snow, hail, sleet, and dew. The quantity of
  moisture falling to the ground is also called precipitation. It indicates precipitation for a
  24 hour period."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..99995)
  FORMAT              "9999v9"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..9999.5)in 0.5mm"
  DATA-QUALITY        "0.5mm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationCumulativePrecipitation RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "cumulativeprecipitation"
  Asn1Name            "calculationCumulativePrecipitation"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Precipitation is rain, snow, hail, sleet, and dew. The quantity of
  moisture falling to the ground is also called precipitation. It indicates precipitation.
  Indicates the accumulated precipitation amount during an arbitrary period."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..99995)
  FORMAT               "9999v9"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..9999.5)in 0.5mm"
  DATA-QUALITY        "0.5mm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationPrecipitation3Hours RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "precipitation3hours"
  Asn1Name            "calculationPrecipitation3Hours"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Precipitation is rain, snow, hail, sleet, and dew. The quantity of
moisture falling to the ground is also called precipitation. It indicates precipitation for 3
hours before the time of observation."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9995)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..999.5)in 0.5mm"
  DATA-QUALITY        "0.5mm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationPrecipitation6Hours RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "precipitation6hours"
  Asn1Name            "calculationPrecipitation6Hours"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Precipitation is rain, snow, hail, sleet, and dew. The quantity of
  moisture falling to the ground is also called precipitation. It indicates precipitation for 6
  hours before the time of observation."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9995)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..999.5)in 0.5mm"
  DATA-QUALITY        "0.5mm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationPrecipitation12Hours RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "precipitation12hours"
  Asn1Name            "calculationPrecipitation12Hours"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Precipitation is rain, snow, hail, sleet, and dew. The quantity of
moisture falling to the ground is also called precipitation. It indicates precipitation for
12 hours before the time of observation."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9995)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..999.5)in 0.5mm"
  DATA-QUALITY        "0.5mm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationPrecipitation24Hours RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "precipitation24hours"
  Asn1Name            "calculationPrecipitation24Hours"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Precipitation is rain, snow, hail, sleet, and dew. The quantity of
  moisture falling to the ground is also called precipitation. It indicates precipitation for
  24 hours before the time of observation."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..99995)
  FORMAT              "9999v9"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..9999.5)in 0.5mm"
  DATA-QUALITY        "0.5mm"
  REGISTRATION-STATUS      recorded
}

```



```

calculationProbabiltyOfPrecipitation RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "probabiltyofprecipitation"
  Asn1Name            "calculationProbabiltyOfPrecipitation"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Indicates the probability of precipitation in the forecast period and
the forecast area"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..100)
  FORMAT              "999"
  UNIT-OF-MEASURE      "%"
  VALID-VALUE-RULE     "VALUE(0..100)in 1%"
  DATA-QUALTY         "1%"
  REGISTRATION-STATUS      recorded
}

```

```

calculationAhsRainfallAmountIn10Minutes RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "ahsrainfallamountin10minutes"
  Asn1Name            "calculationAhsRainfallAmountIn10Minutes"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Precipitation is rain, snow, hail, sleet, and dew. The quantity of
moisture falling to the ground is also called precipitation. Precipitation is measured
within a certain length of time 10 min before the time of observation."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9995)
  FORMAT               "999v9"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..999.5)in 0.5mm"
  DATA-QUALITY        "0.5mm"
  REGISTRATION-STATUS  recorded
}

```

```

calculationSnowAmount RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "snowamount"
  Asn1Name            "calculationSnowAmount"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Depth of snow accumulated on the ground. A simple method of
measurement is to use a ruler standing vertically on flat ground. Ultrasonic snow
meters are used for automatic measurement. The depth of accumulated snow is
obtained by measuring the time taken for the return of sound waves reflected from the
snow surface."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1cm"
  DATA-QUALITY        "1cm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationAhsRoadSnowAmount RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "ahsroadsnowamount"
  Asn1Name            "calculationAhsRoadSnowAmount"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates depth of accumulated snow on road surface"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..999)
  FORMAT              "999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(0..999)in 1cm"
  DATA-QUALITY        "1cm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationSnowfallAmount RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "snowfallamount"
  Asn1Name            "calculationSnowfallAmount"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Depth of newly accumulated snow at a certain site, generally
measured by means of a snow plate having with a measuring rod standing on a square
board."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1cm"
  DATA-QUALITY        "1cm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationSnowfall RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "snowfall"
  Asn1Name            "calculationSnowfall"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates snowfall intensity expressed as depth of snowfall per unit
time."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(0..999.9)in 0.1cm"
  DATA-QUALITY        "0.1cm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationSnowfallAmountDayFrom21 RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "snowfallamountdayfrom21"
  Asn1Name            "calculationSnowfallAmountDayFrom21"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Depth of solid snow accumulated on the surface from 21:00 of the
previous day to 21:00 of the current day. The conditions for terminating the
continuation is determined at each Regional Bureau of Ministry of Land, Infrastructure,
and Transport."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999)
  FORMAT               "999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(0..999)in 1cm"
  DATA-QUALITY        "1cm"
  REGISTRATION-STATUS  recorded
}

```

```

calculationSnowfallAmountDayFrom9 RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "snowfallamountdayfrom9"
  Asn1Name            "calculationSnowfallAmountDayFrom9"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Depth of solid fallen snow such as snow accumulated on the ground
from 9 am the day before until 9 am this day."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..999)
  FORMAT              "999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(0..999)in 1cm"
  DATA-QUALTY        "1cm"
  REGISTRATION-STATUS      recorded
}

```



```

calculationCumulativeSnowfall RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "cumulativesnowfall"
  Asn1Name            "calculationCumulativeSnowfall"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Depth of solid fallen snow such as snow accumulated on the ground
over an optional period"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..999)
  FORMAT              "999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(0..999)in 1cm"
  DATA-QUALTY         "1cm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationAshfallAmount RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "ashfallamount"
  Asn1Name            "calculationAshfallAmount"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates amount of ashfall."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT               "9999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1cm"
  DATA-QUALITY        "1cm"
  REGISTRATION-STATUS      recorded
}

```

```

calculation16WindDirections RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "16winddirections"
  Asn1Name            "calculation16WindDirections"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates wind direction in 16 equal sectors relative to north. When
wind is observed at a meteorological observatory or weather measurement station, a
propeller type anemometer that can measure wind speed and direction simultaneously
is used."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{n(1),nne(2),ne(3),ene(4),e(5),se(6),ese(7),sse(8),s(9),ssw(10),sw
(11),wsw(12),w(13),wnw(14),nw(15),nnw(16),calm(17),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

calculationMaxInstantaneousWindSpeed RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "maxinstantaneouswindspeed"
  Asn1Name            "calculationMaxInstantaneousWindSpeed"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Distance of air travel in unit hour and indicates the maximum value
of instantaneous wind velocity wintin random hours"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "m/s"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1m/s"
  DATA-QUALITY        "1m/s"
  REGISTRATION-STATUS      recorded
}

```

```

calculationInstantaneousWindSpeed5Minutes RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "instantaneouswindspeed5minutes"
  Asn1Name            "calculationInstantaneousWindSpeed5Minutes"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates instantaneous wind speed at the time of measurement."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "m/s"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1m/s"
  DATA-QUALITY        "1m/s"
  REGISTRATION-STATUS      recorded
}

```

```

calculationInstantaneousWindSpeed10Minutes RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "instantaneouswindspeed10minutes"
  Asn1Name            "calculationInstantaneousWindSpeed10Minutes"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates maximum wind speed in a unit period (10 minutes)."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "m/s"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1m/s"
  DATA-QUALITY        "1m/s"
  REGISTRATION-STATUS      recorded
}

```

```

calculationInstantaneousWindSpeed5MinutesHighQuality RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "instantaneouswindspeed5minuteshighquality"
  Asn1Name            "calculationInstantaneousWindSpeed5MinutesHighQuality"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Indicates instantaneous wind speed every unit time (for 5minutes)"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "999v9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..999.9)in 0.1m/s"
  DATA-QUALTY        "0.1m/s"
  REGISTRATION-STATUS      recorded
}

```

```

calculationInstantaneousWindSpeed10MinutesHighQuality RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "instantaneouswindspeed10minuteshighquality"
  Asn1Name            "calculationInstantaneousWindSpeed10MinutesHighQuality"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates wind speed per unit time (10 min.)."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "m/s"
  VALID-VALUE-RULE     "VALUE(0..999.9)in 0.1m/s"
  DATA-QUALITY        "0.1m/s"
  REGISTRATION-STATUS      recorded
}

```



```

calculationAhsAverageWindSpeedOver10Minutes RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "ahsaveragewindspeedover10minutes"
  Asn1Name            "calculationAhsAverageWindSpeedOver10Minutes"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates average wind speed over 10 minutes as the distance moved
by the air in unit time."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "m/s"
  VALID-VALUE-RULE     "VALUE(0..999.9)in 0.1m/s"
  DATA-QUALITY        "0.1m/s"
  REGISTRATION-STATUS      recorded
}

```

```

calculationAverageWindSpeedOverAMinute RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "averagewindspeedoveramminute"
  Asn1Name            "calculationAverageWindSpeedOverAMinute"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Indicates average wind speed over one minute."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "m/s"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1m/s"
  DATA-QUALITY        "1m/s"
  REGISTRATION-STATUS      recorded
}

```

```

calculationAverageWindSpeedOver10Minutes RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "averagewindspeedover10minutes"
  Asn1Name            "calculationAverageWindSpeedOver10Minutes"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Indicates average wind speed over 10 minutes."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT               "9999"
  UNIT-OF-MEASURE      "m/s"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1m/s"
  DATA-QUALITY        "1m/s"
  REGISTRATION-STATUS      recorded
}

```

```

calculationAverageWindSpeed RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "averagewindspeed"
  Asn1Name            "calculationAverageWindSpeed"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates average wind speed during the time of measurement."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "m/s"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1m/s"
  DATA-QUALITY        "1m/s"
  REGISTRATION-STATUS      recorded
}

```

```

calculationAcceleration RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "acceleration"
  Asn1Name            "calculationAcceleration"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Maximum acceleration (gal)"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT               "9999"
  UNIT-OF-MEASURE      "gal"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1gal"
  DATA-QUALITY        "1gal"
  REGISTRATION-STATUS      recorded
}

```

```

calculationMaximumHorizontalAcceleration
  RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "maximumhorizontalacceleration
  "
  Asn1Name            "calculationMaximumHorizontalAcceleration
  "
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Maximum horizontal acceleration during the period of a certain
  seismic motion"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT               "9999"
  UNIT-OF-MEASURE      "gal"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1gal"
  DATA-QUALITY        "1gal"
  REGISTRATION-STATUS   recorded
}

```

```

calculationMaximumVerticalAcceleration RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "maximumverticalacceleration"
  Asn1Name            "calculationMaximumVerticalAcceleration"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Maximum vertical acceleration during the period of a certain seismic
motion"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "gal"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1gal"
  DATA-QUALTY         "1gal"
  REGISTRATION-STATUS      recorded
}

```

```

calculationSiValue RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "sivalue"
  Asn1Name            "calculationSiValue"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Spectrum intensity (Kine)"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT               "9999"
  UNIT-OF-MEASURE      "kine"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1kine"
  DATA-QUALITY        "1kine"
  REGISTRATION-STATUS      recorded
}

```



```

calculationAccelerationSpeedResponseValue
  RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "accelerationspeedresponsevalue
"
  Asn1Name            "calculationAccelerationSpeedResponseValue
"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Speed or average acceleration value of the particular frequency
calculated in order to estimate damage to a structure with bridge beams, etc. having
inherent resonance frequencies. Average value of horizontal acceleration response
spectrum inherent cycle T=0, 5 to 1.0 s."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT               "9999"
  UNIT-OF-MEASURE      "cm/s"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1cm/s"
  DATA-QUALTY         "1cm/s"
  REGISTRATION-STATUS   recorded
}

```

```

calculationEarthquakeScale RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "earthquakescale"
  Asn1Name            "calculationEarthquakeScale"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Numeric value for earthquake scales (magnitude)."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0.. 999)
  FORMAT              "99v9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0.. 99.9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

calculationCentrumDepth RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "centrumdepth"
  Asn1Name            "calculationCentrumDepth"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Numeric value for the centrum depth (in km)."
```

DESCRIPTIVE-NAME-CONTEXT { }

DATE-CONCEPT-TYPE data-element

STANDARD "Road Communication Standard"

DATATYPE INTEGER(0.. 9999)

FORMAT "999v9"

UNIT-OF-MEASURE "Km"

VALID-VALUE-RULE "VALUE(0.. 999.9)in 0.1Km"

DATA-QUALITY

REGISTRATION-STATUS recorded

```

}
```

```

calculationSeaLevel RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "sealevel"
  Asn1Name            "calculationSeaLevel"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Indicates sea level at time of measurement."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1cm"
  DATA-QUALITY        "1cm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationWaveHeight RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "waveheight"
  Asn1Name            "calculationWaveHeight"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates wave height."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1cm"
  DATA-QUALITY        "1cm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationVisibility RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "visibility"
  Asn1Name            "calculationVisibility"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates range of vision, or visibility."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "m"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1m"
  DATA-QUALITY        "1m"
  REGISTRATION-STATUS      recorded
}

```

```

calculationTransmittance RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "transmittance"
  Asn1Name            "calculationTransmittance"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates transmittance at an obscured location."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..100)
  FORMAT              "999"
  UNIT-OF-MEASURE      "%"
  VALID-VALUE-RULE     "VALUE(0..100)in 1%"
  DATA-QUALITY        "1%"
  REGISTRATION-STATUS      recorded
}

```

```

calculationTransmissivity RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "transmissivity"
  Asn1Name            "calculationTransmissivity"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Proportional horizontal range of vision at the time of measuring
visibility relative to visibility at normal times."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..100)
  FORMAT              "999"
  UNIT-OF-MEASURE      "%"
  VALID-VALUE-RULE     "VALUE(0..100)in 1%"
  DATA-QUALITY        "1%"
  REGISTRATION-STATUS      recorded
}

```



```

calculationSnowfallFogDensity RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "snowfallfogdensity"
  Asn1Name            "calculationSnowfallFogDensity"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Impeded visibility due to falling snow or fog detected by
backscattered light using an integrated light projector and sensor."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..100)
  FORMAT              "999"
  UNIT-OF-MEASURE      "%"
  VALID-VALUE-RULE     "VALUE(0..100)in 1%"
  DATA-QUALITY        "1%"
  REGISTRATION-STATUS      recorded
}

```

```

calculationSolarRadiationTotal RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "solarradiationtotal"
  Asn1Name            "calculationSolarRadiationTotal"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Pyranometer value length of time (10 min.) at an observation point."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..99999)
  FORMAT              "999v99"
  UNIT-OF-MEASURE      "MJ/m2"
  VALID-VALUE-RULE     "VALUE(0..999.99)in 0.01MJ/m2"
  DATA-QUALITY        "0.01MJ/m2"
  REGISTRATION-STATUS      recorded
}

```

```

calculationNetRadiation RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "netradiation"
  Asn1Name            "calculationNetRadiation"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Net radiation value for a certain length of time (10 min) at an
  observation point."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(-99999..99999)
  FORMAT              "999v99"
  UNIT-OF-MEASURE      "MJ/m2"
  VALID-VALUE-RULE     "VALUE(-999.99..999.99)in 0.01MJ/m2"
  DATA-QUALITY        "0.01MJ/m2"
  REGISTRATION-STATUS      recorded
}

```

```

calculationSunshineHour RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "sunshinehour"
  Asn1Name            "calculationSunshineHour"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Indicates sunshine for one hour before observation"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..60)
  FORMAT               "99"
  UNIT-OF-MEASURE      "minute"
  VALID-VALUE-RULE     "VALUE(0..60)in 1minute"
  DATA-QUALITY        "1minute"
  REGISTRATION-STATUS      recorded
}

```

```

calculationSolarRadiationPenetration RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "solarradiationpenetration"
  Asn1Name            "calculationSolarRadiationPenetration"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates solar radiation for one hour before observation."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..99999)
  FORMAT               "999v99"
  UNIT-OF-MEASURE      "MJ/m2"
  VALID-VALUE-RULE     "VALUE(0..999.99)in 0.01MJ/m2"
  DATA-QUALITY        "0.01MJ/m2"
  REGISTRATION-STATUS      recorded
}

```

```

calculationRoadTemperature RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "roadtemperature"
  Asn1Name            "calculationRoadTemperature"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Road temperature measured by meteorological telemeter or road
  thermometer."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(-999..999)
  FORMAT              "99v9"
  UNIT-OF-MEASURE      "degree"
  VALID-VALUE-RULE     "VALUE(-99.9..99.9)in 0.1degree"
  DATA-QUALITY        "0.1degree"
  REGISTRATION-STATUS      recorded
}

```

```

calculationAhsRoadTemperature RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "ahsroadtemperature"
  Asn1Name            "calculationAhsRoadTemperature"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates temperature of road surface"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(-999..999)
  FORMAT              "99v9"
  UNIT-OF-MEASURE      "degree"
  VALID-VALUE-RULE     "VALUE(-99.9..99.9)in 0.1degree"
  DATA-QUALITY        "0.1degree"
  REGISTRATION-STATUS      recorded
}

```

```

calculationRoadMoisture RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "roadmoisture"
  Asn1Name            "calculationRoadMoisture"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Percentage moisture content per unit area of road surface"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..100)
  FORMAT              "999"
  UNIT-OF-MEASURE      "%"
  VALID-VALUE-RULE     "VALUE(0..100)in 1%"
  DATA-QUALITY        "1%"
  REGISTRATION-STATUS      recorded
}

```



```

calculationRoadSurfaceReflectionCoefficient RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "roadsurfacereflectioncoefficient"
  Asn1Name            "calculationRoadSurfaceReflectionCoefficient"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Road surface reflection coefficient used for frozen road detection."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..100)
  FORMAT              "999"
  UNIT-OF-MEASURE      "%"
  VALID-VALUE-RULE     "VALUE(0..100)in 1%"
  DATA-QUALITY        "1%"
  REGISTRATION-STATUS      recorded
}

```

```

calculationWaterLevel RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "waterlevel"
  Asn1Name            "calculationWaterLevel"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates depth of water over a flooded road."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT               "9999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1cm"
  DATA-QUALITY        "1cm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationBrightness RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "brightness"
  Asn1Name            "calculationBrightness"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Difference in brightness between the interior and exterior of a tunnel
is measured as difference in image brightness."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "cd/m²"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1cd/m²"
  DATA-QUALITY        "1cd/m²"
  REGISTRATION-STATUS      recorded
}

```

```

calculationCo RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "co"
  Asn1Name            "calculationCo"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Indicates quantity of Co (carbon monoxide) inside a tunnel."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999999)
  FORMAT               "999999"
  UNIT-OF-MEASURE      "ppm"
  VALID-VALUE-RULE     "VALUE(0..999999)in 1ppm"
  DATA-QUALITY        "1ppm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationNOx RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "nox"
  Asn1Name            "calculationNOx"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates quantity of NOx inside a tunnel"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9v999"
  UNIT-OF-MEASURE      "ppm"
  VALID-VALUE-RULE     "VALUE(0..9.999)in 0.001ppm"
  DATA-QUALITY        "0.001ppm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationNO2 RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "no2"
  Asn1Name            "calculationNO2"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Density of dinitrogen tetroxide of a fixed time(10 min) at an
  observation point."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE  data-element
  STANDARD             "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9v999"
  UNIT-OF-MEASURE      "ppm"
  VALID-VALUE-RULE     "VALUE(0..9.999)in 0.001ppm"
  DATA-QUALITY        "0.001ppm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationNO RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "no"
  Asn1Name            "calculationNO"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Density of nitric monoxide of a fixed time(10 min) at an observation
point."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9v999"
  UNIT-OF-MEASURE      "ppm"
  VALID-VALUE-RULE     "VALUE(0..9.999)in 0.001ppm"
  DATA-QUALITY        "0.001ppm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationSo2 RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "so2"
  Asn1Name            "calculationSo2"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Measured data value of SO2 in definite time(10 minutes) at the
  observation point."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9v999"
  UNIT-OF-MEASURE      "ppm"
  VALID-VALUE-RULE     "VALUE(0..9.999)in 0.001ppm"
  DATA-QUALITY        "0.001ppm"
  REGISTRATION-STATUS      recorded
}

```



```

calculationCh RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "ch"
  Asn1Name            "calculationCh"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Value of CH measured at a measuring point at a specific time"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9v999"
  UNIT-OF-MEASURE      "ppm"
  VALID-VALUE-RULE     "VALUE(0..9.999)in 0.001ppm"
  DATA-QUALITY        "0.001ppm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationSpm RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "spm"
  Asn1Name            "calculationSpm"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "SPM concentration for a certain length of time (10 min) at an
  observation point."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9v999"
  UNIT-OF-MEASURE      "mg/m3"
  VALID-VALUE-RULE     "VALUE(0..9.999)in 0.001mg/m3"
  DATA-QUALTY         "0.001mg/m3"
  REGISTRATION-STATUS      recorded
}

```

```

calculationPo RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "po"
  Asn1Name            "calculationPo"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Value of photochemical oxidant measured at a measuring point at a
specific time"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT              "9v999"
  UNIT-OF-MEASURE      "ppm"
  VALID-VALUE-RULE     "VALUE(0..9.999)in 0.001ppm"
  DATA-QUALITY        "0.001ppm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationNoise RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "noise"
  Asn1Name            "calculationNoise"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Noise level measured at a measuring point at a specific time"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..999999)
  FORMAT              "99999v9"
  UNIT-OF-MEASURE      "db"
  VALID-VALUE-RULE     "VALUE(0..99999.9)in 0.1db"
  DATA-QUALITY       "0.1db"
  REGISTRATION-STATUS      recorded
}

```

```

calculationEquivalentSoundLevel RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "equivalentSoundLevel"
  Asn1Name            "calculationEquivalentSoundLevel"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Equivalent noise level of a fixed time (10 min) at an observation
point."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "db"
  VALID-VALUE-RULE     "VALUE(0..999.9)in 0.1db"
  DATA-QUALITY        "0.1db"
  REGISTRATION-STATUS      recorded
}

```

```

calculationMaxSoundLevel RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "maxsoundlevel"
  Asn1Name            "calculationMaxSoundLevel"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "The maximum value at noise level of a fixed time (10 min) at an
  observation point."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "db"
  VALID-VALUE-RULE    "VALUE(0..999.9)in 0.1db"
  DATA-QUALITY       "0.1db"
  REGISTRATION-STATUS      recorded
}

```

```

calculationVibration RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vibration"
  Asn1Name            "calculationVibration"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Vibration value measured at a measuring point at a specific time"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "db"
  VALID-VALUE-RULE     "VALUE(0..999.9)in 0.1db"
  DATA-QUALITY        "0.1db"
  REGISTRATION-STATUS      recorded
}

```

```

calculationMudSlideGroundMoisture RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "mudslidegroundmoisture"
  Asn1Name            "calculationMudSlideGroundMoisture"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Moisture in the soil detected as capillary sustainability (pF)."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "pF"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1pF"
  DATA-QUALITY        "1pF"
  REGISTRATION-STATUS      recorded
}

```



```

calculationDisplacement RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "displacement"
  Asn1Name            "calculationDisplacement"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Measure value of structure displacement"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999999)
  FORMAT              "999999"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..999999)in 1mm"
  DATA-QUALITY        "1mm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationStrain RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "strain"
  Asn1Name            "calculationStrain"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Measured value of structure strain"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(-999999..999999)
  FORMAT              "999v999"
  UNIT-OF-MEASURE      "%"
  VALID-VALUE-RULE     "VALUE(-999.999..999.999)in 0.001%"
  DATA-QUALITY        "0.001%"
  REGISTRATION-STATUS      recorded
}

```

```

calculationStressValue RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "stressvalue"
  Asn1Name            "calculationStressValue"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Measured value of structure stress"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999999)
  FORMAT              "999999"
  UNIT-OF-MEASURE      "pa"
  VALID-VALUE-RULE     "VALUE(0..999999)in 1pa"
  DATA-QUALITY        "1pa"
  REGISTRATION-STATUS      recorded
}

```

```

calculationEarthPressure RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "earthpressure"
  Asn1Name            "calculationEarthPressure"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Measured value of earth pressure on structure foundation"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999999)
  FORMAT              "999999"
  UNIT-OF-MEASURE      "kN/m²"
  VALID-VALUE-RULE     "VALUE(0..999999)in 1kN/m²"
  DATA-QUALITY        "1kN/m²"
  REGISTRATION-STATUS      recorded
}

```

```

calculationPoreWaterPressure RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "porewaterpressure"
  Asn1Name            "calculationPoreWaterPressure"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Measured value of interstitial water pressure on structure
  foundation"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..999999)
  FORMAT              "999999"
  UNIT-OF-MEASURE      "kN/m²"
  VALID-VALUE-RULE     "VALUE(0..999999)in 1kN/m²"
  DATA-QUALITY        "1kN/m²"
  REGISTRATION-STATUS      recorded
}

```

```

calculationElasticCrack RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "elasticcrack"
  Asn1Name            "calculationElasticCrack"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Data from the extensometer, measuring movement of the bedrock and
progress of the crack.Set piles at steady point and moving point, measure the expansion
and contraction of the invar wire strung between two points. The expansion of the crack
should be indicated with +."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..99999)
  FORMAT              "9999v9"
  UNIT-OF-MEASURE     "mm"
  VALID-VALUE-RULE    "VALUE(0..9999.9)in 0.1mm"
  DATA-QUALITY       "0.1mm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationInclination RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "inclination"
  Asn1Name            "calculationInclination"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Inclination of the bedrock.Set the gauge on the top of specific bedrock
in dangerous spot,measure the inclination in north, south, east and west.South and
west should be indicated with -"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "deg"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1deg"
  DATA-QUALITY        "1deg"
  REGISTRATION-STATUS      recorded
}

```

```

calculationBedrockMutation RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "bedrockmutation"
  Asn1Name            "calculationBedrockMutation"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Insert  the sensor into the borehole drilled from inside the
tunnel,measure the distortion inside the tunnel and the alteration of natural ground."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9995)
  FORMAT              "999 v 9"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..999.5)in 0.5mm"
  DATA-QUALITY        "0.5mm"
  REGISTRATION-STATUS      recorded
}

```



```

calculationTemperatureBySensor RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "temperaturebysensor"
  Asn1Name            "calculationTemperatureBySensor"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Temperature beside a sensor. Air temperature is measured by
installing a sensor inside a meter for the correction of observation devices."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(-600..999)
  FORMAT              "99v9"
  UNIT-OF-MEASURE      "degree"
  VALID-VALUE-RULE     "VALUE(-60.0..99.9)in 0.1degree"
  DATA-QUALITY        "0.1degree"
  REGISTRATION-STATUS  recorded
}

```

```

calculationUndergroundTemperature RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "undergroundtemperature"
  Asn1Name            "calculationUndergroundTemperature"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Temperature of inside the bedrock."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "degree"
  VALID-VALUE-RULE     "VALUE(0..999.9)in 0.1degree"
  DATA-QUALITY        "0.1degree"
  REGISTRATION-STATUS      recorded
}

```

```

calculationAESensor RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "aesensor"
  Asn1Name            "calculationAESensor"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Elastic wave caused by the micro destruction of the inclination of
bedrock. Observation of destruction caused by distortion stress inside the bedrock.Bore
the hole in the bedrock,insert waveguide into it,collect the sounds inside,then count the
number of sound made in definite volume per hour."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9)
  FORMAT              "9"
  UNIT-OF-MEASURE     "time"
  VALID-VALUE-RULE    "VALUE(0..9)in 1time"
  DATA-QUALITY       "1time"
  REGISTRATION-STATUS recorded
}

```

```

calculationRainfallAmount RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "rainfallamount"
  Asn1Name            "calculationRainfallAmount"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Rainfall at observation point. The number of times a 0.5 mm tipping
  vessel is tipped over."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1mm"
  DATA-QUALTY         "1mm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationCrackedMutation RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "crackedmutation"
  Asn1Name            "calculationCrackedMutation"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Size of the crack in the bedrock.String the dangerous rock with crack,
observe the progress of the crack. The direction of the progress should be in indicated
with +."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..999)
  FORMAT              "99v9"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..99.9)in 0.1mm"
  DATA-QUALITY        "0.1mm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationAnchorLoad RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "anchorload"
  Asn1Name            "calculationAnchorLoad"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Set the load gauge between the anchor head and the pressure
plate,measure the anchor load."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..99)
  FORMAT              "99"
  UNIT-OF-MEASURE      "tf"
  VALID-VALUE-RULE     "VALUE(0..99)in 1tf"
  DATA-QUALITY        "1tf"
  REGISTRATION-STATUS      recorded
}

```

```

calculationSlopeOfGround RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "slopeofground"
  Asn1Name            "calculationSlopeOfGround"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Insert the guide pipe with sensor to the borehole,measure the
inclination.(There are some cases that set it inside the construction such as deep shaft,
and measure the form. Basically same with measuring the inclination inside the hole.)"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..999)
  FORMAT              "999"
  UNIT-OF-MEASURE      "minute"
  VALID-VALUE-RULE     "VALUE(0..999)in 1minute"
  DATA-QUALITY        "1minute"
  REGISTRATION-STATUS      recorded
}

```

```

calculationStressDisplacement RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "stressdisplacement"
  Asn1Name            "calculationStressDisplacement"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Measure the stress of the reinforcing rod buried in the tunnel (set on
the main reinforcing rod),check the displacement caused by earth pressure of the
tunnel."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9)
  FORMAT              "9"
  UNIT-OF-MEASURE      "kgf/cm 2"
  VALID-VALUE-RULE     "VALUE(0..9)in 1kgf/cm 2"
  DATA-QUALITY        "1kgf/cm 2"
  REGISTRATION-STATUS      recorded
}

```



```

calculationCrackedDisplacement RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "crackeddisplacement"
  Asn1Name            "calculationCrackedDisplacement"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Set the crack displacement gauge over the crack on the tunnel
  surface,measure the progress of the crack."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9)
  FORMAT              "9"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..9)in 1mm"
  DATA-QUALITY        "1mm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationSlopeOfPit RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "slopeofpit"
  Asn1Name            "calculationSlopeOfPit"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Insert the guide pipe with sensor to the borehole, measure the
inclination."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..999)
  FORMAT              "999"
  UNIT-OF-MEASURE      "minute"
  VALID-VALUE-RULE     "VALUE(0..999)in 1minute"
  DATA-QUALTY         "1minute"
  REGISTRATION-STATUS      recorded
}

```

```

calculationVerticalElastic RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "verticalelastic"
  Asn1Name            "calculationVerticalElastic"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Insert the guide pipe into the borehole,fix the wire to the immobile
layer inside, measure the expansion of the wire."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..999)
  FORMAT              "999"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..999)in 1mm"
  DATA-QUALITY        "1mm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationVerticalGround RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "verticalground"
  Asn1Name            "calculationVerticalGround"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Set the wire to the pile set up at steady point and moving point on
ground surface, measure the expansion and contraction of the wire."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..999)
  FORMAT              "999"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..999)in 1mm"
  DATA-QUALITY        "1mm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationTemperatureOfMeasurePoint RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "temperatureofmeasurepoint"
  Asn1Name            "calculationTemperatureOfMeasurePoint"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Measuring point temperature. Air temperature is measured by
installing a sensor near measuring devices for the correction of observation devices."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(-999..999)
  FORMAT              "999"
  UNIT-OF-MEASURE      "degree"
  VALID-VALUE-RULE     "VALUE(-999..999)in 1degree"
  DATA-QUALITY        "1degree"
  REGISTRATION-STATUS      recorded
}

```

```

calculationRainfallAmountOfMeasurePoint RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "rainfallamountofmeasurepoint"
  Asn1Name            "calculationRainfallAmountOfMeasurePoint"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Rainfall at measuring point"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "mm"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1mm"
  DATA-QUALITY        "1mm"
  REGISTRATION-STATUS      recorded
}

```

```

calculationAirTransmissivityInsideTheTunnel RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "airtransmissivityinsidethetunnel "
  Asn1Name            "calculationAirTransmissivityInsideTheTunnel "
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Indicates air transmissivity inside a tunnel."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..99999)
  FORMAT              "999v99"
  UNIT-OF-MEASURE      "%"
  VALID-VALUE-RULE     "VALUE(0..999.99)in 0.01%"
  DATA-QUALITY        "0.01%"
  REGISTRATION-STATUS   recorded
}

```

```

calculationWindSpeedInsideTheTunnel RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "windspeedinsidethetunnel"
  Asn1Name            "calculationWindSpeedInsideTheTunnel"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Indicates wind velocity within the tunnel."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "m/s"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1m/s"
  DATA-QUALITY        "1m/s"
  REGISTRATION-STATUS      recorded
}

```



```

calculationInstantaneousWindSpeed1MinutesHighQuality RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "instantaneouswindspeed1minuteshighquality"
  Asn1Name            "calculationInstantaneousWindSpeed1MinutesHighQuality"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates maximum wind speed at the unit time (1minute)"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER (0..9999)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "m/s"
  VALID-VALUE-RULE     "VALUE(0..999.9)in 0.1m/s"
  DATA-QUALITY        "0.1m/s"
  REGISTRATION-STATUS      recorded
}

```

```

calculationNoiseLevelL5 RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "noiselevell5"
  Asn1Name            "calculationNoiseLevelL5"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Noise level where the level of the noise is higher than the set value for
5% of a certain length of time (10 min.) at the observation point."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "dB"
  VALID-VALUE-RULE     "VALUE(0..999.9)in 0.1dB"
  DATA-QUALITY        "0.1dB"
  REGISTRATION-STATUS      recorded
}

```

```

calculationNoiseLevelL10 RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "noiselevel10"
  Asn1Name            "calculationNoiseLevelL10"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Noise level where the level of the noise is higher than the set value for
10% of a certain length of time (10 min.) at the observation point."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "dB"
  VALID-VALUE-RULE     "VALUE(0..999.9)in 0.1dB"
  DATA-QUALITY        "0.1dB"
  REGISTRATION-STATUS      recorded
}

```

```

calculationNoiseLevelL50 RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "noiselevell50"
  Asn1Name            "calculationNoiseLevelL50"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Noise level where the level of the noise is higher than the set value for
50% of a certain length of time (10 min.) at the observation point."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "dB"
  VALID-VALUE-RULE    "VALUE(0..999.9)in 0.1dB"
  DATA-QUALITY       "0.1dB"
  REGISTRATION-STATUS      recorded
}

```

```

calculationNoiseLevelL90 RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "noiselevell90"
  Asn1Name            "calculationNoiseLevelL90"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Noise level where the level of the noise is higher than the set value for
  90% of a certain length of time (10 min.) at the observation point."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "dB"
  VALID-VALUE-RULE     "VALUE(0..999.9)in 0.1dB"
  DATA-QUALITY        "0.1dB"
  REGISTRATION-STATUS      recorded
}

```

```

calculationNoiseLevelL95 RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "noiselevell95"
  Asn1Name            "calculationNoiseLevelL95"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Noise level where the level of the noise is higher than the set value for
95% of a certain length of time (10 min.) at the observation point."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "dB"
  VALID-VALUE-RULE    "VALUE(0..999.9)in 0.1dB"
  DATA-QUALITY       "0.1dB"
  REGISTRATION-STATUS      recorded
}

```

```

calculationLicencePlateNumberMeasurementResult RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "licenceplatenumbermeasurementresult"
  Asn1Name            "calculationLicencePlateNumberMeasurementResult"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Indicates the license plate information observed."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            OCTET STRING (size(28))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

calculationVehicleIDMeasurementResult RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehicleidmeasurementresult"
  Asn1Name            "calculationVehicleIDMeasurementResult"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Vehicle ID according to measurement results."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

calculationCarTypeMeasurementResult RCS-DATA-ELEMENT ::=
{
    DESCRIPTIVE-NAME    "cartypemeasurementresult"
    Asn1Name            "calculationCarTypeMeasurementResult"
    ASN-OBJECT IDENTIFIER { }
    DEFINITION          "The vehicle type according to the measurement result."
    DESCRIPTIVE-NAME-CONTEXT { }
    DATE-CONCEPT-TYPE data-element
    STANDARD             "Road Communication Standard"
    DATATYPE
        ENUMERATED{minicar(0),standardSizedCar(1),bus(2),lightLoads(3),smallTruck(4),goodsAndPassengersVehicle(5),ordinaryTruck(6),specialUsesVehicle(7),undeterminable(8),invalidData(99)}
    FORMAT              "99"
    UNIT-OF-MEASURE
    VALID-VALUE-RULE    "VALUE(0..99)"
    DATA-QUALITY
    REGISTRATION-STATUS      recorded
}

```

```

calculationVehicleSpecificCharacteristics RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehiclespecificcharacteristics"
  Asn1Name            "calculationVehicleSpecificCharacteristics"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Indicates the characteristics of a freight car."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             UTF8String(size(0..256))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

calculationBodyVehicleGrossWeightMeasurementResult RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "bodyvehiclegrossweightmeasurementresult"
  Asn1Name            "calculationBodyVehicleGrossWeightMeasurementResult"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Indicates the measurement result of a vehicle's total weight."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..99999)
  FORMAT               "99999"
  UNIT-OF-MEASURE      "kg"
  VALID-VALUE-RULE     "VALUE(0..99999)in 1kg"
  DATA-QUALITY        "1kg"
  REGISTRATION-STATUS      recorded
}

```

```

calculationAxleLoadMeasurementResult RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "axleloadmeasurementresult"
  Asn1Name            "calculationAxleLoadMeasurementResult"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates the measurement result of the weight of the axis of the
vehicle measured with the equipment on the road side"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(1..99999)
  FORMAT              "99999"
  UNIT-OF-MEASURE      "kg"
  VALID-VALUE-RULE     "VALUE(1..99999)in 1kg"
  DATA-QUALITY        "1kg"
  REGISTRATION-STATUS      recorded
}

```

```

calculationContinuousRainfallAmountEveryTenMinutes RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "continuousrainfallamounteverytenminutes"
  Asn1Name            "calculationContinuousRainfallAmountEveryTenMinutes"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Sum of precipitation in a unit of time (10 min)."
```

DESCRIPTIVE-NAME-CONTEXT { }	
DATE-CONCEPT-TYPE	data-element
STANDARD	"Road Communication Standard"
DATATYPE	INTEGER(0..9999)
FORMAT	"999v9"
UNIT-OF-MEASURE	"mm"
VALID-VALUE-RULE	"VALUE(0..999.9)in 0.1mm"
DATA-QUALTY	"0.1mm"
REGISTRATION-STATUS	recorded

```

}
```

```

routeCourseDistance RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "coursedistance"
  Asn1Name            "routeCourseDistance"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates the length of routes from the starting point position via
route point to the end point. The increment value is 10m unit."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..655340)
  FORMAT              "999999"
  UNIT-OF-MEASURE      "m"
  VALID-VALUE-RULE     "VALUE(0..655340)in 10m"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

routeNumber RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "number"
  Asn1Name            "routeNumber"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Number of routes from the starting point to the end point."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

routeLinkFigure RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "linkfigure"
  Asn1Name            "routeLinkFigure"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Number of links, that is, sum of start link, end link and the links
  between them."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

routeAttribute RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "attribute"
  Asn1Name            "routeAttribute"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "The data wherein attributes of selected routs are given."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{timeBeelineRoute(1),goalRoute(2),noTrespassingRoute(3),particularizeCarServicePassRoute(4),busServiceRoute(5),roadManagementCarServiceRoute(6),refugeRoute(7),emergencyCarRoute(8),pedestrianRoute(9),emergencyTransportationRoute(10),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

routeSectionAverageSpeed RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "sectionaveragespeed"
  Asn1Name            "routeSectionAverageSpeed"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Average vehicle speed of the interval."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "km/h"
  VALID-VALUE-RULE     "VALUE(0..999.9)in 0.1km/h"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

routeSectionStaticCourseDuration RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "sectionstaticcourseduration"
  Asn1Name            "routeSectionStaticCourseDuration"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Amount of time to pass the link.  The value is measured by the road
time table."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "minute"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1minute"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

routeStaticTravelSpeed RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "statictravelspeed"
  Asn1Name            "routeStaticTravelSpeed"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Average speed to pass the link ( (link length)/(passing time) )."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE            INTEGER(0..99999)
  FORMAT              "9999v9"
  UNIT-OF-MEASURE      "km/h"
  VALID-VALUE-RULE     "VALUE(0..9999.9)in 0.1km/h"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

routeSectionUnitDuration RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "sectionunitduration"
  Asn1Name            "routeSectionUnitDuration"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Time required to pass the applicable division length."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "minute"
  VALID-VALUE-RULE     "VALUE(0..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventWeatherPattern RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "weatherpattern"
  Asn1Name            "eventWeatherPattern"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Atmospheric phenomena stands for the conditions in the atmosphere
with respect to temperature, humidity, precipitation, duration of sunshine, degree of
cloud cover, etc. inclusively observed, and the atmospheric condition is indicated in
conformity with atmospheric codes. It is "fine" when the amount of cloud cover is below
80% and no other weather is applicable; it is "cloudy" when the amount of cloud cover is
more than 80% and no other weather is applicable; it is "rainy" when it is raining; it is
"misty" when fine water drops or vapor, etc. is at ground level and the visibility is less
than 1 km, or when fine water drops in a misty state fall like rain; it is "snowy" when
snow, sleet, hail, or graupel pellets fall."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE  data-element
  STANDARD              "Road Communication Standard"
  DATATYPE
    ENUMERATED{notSpecified(0),fine(1),precipitation(2),snow(3),fog(4),thunder
(5),windAndRain(6),thunderAndRain(7),heavyRain(8),windAndSnow(9),heavySnow(10)
,snowstorm(11),blowingSnow(12),freezing(13),fearOfFreezing(14),deepSnows(15),sherb
et(16),snowCompaction(17),snowslide(18),sideWind(19),typhoon(20),earthquake(21),flo
oding(22),riverOverflow(23),leveeCollapse(24),waves(25),floodTide(26),highWaves(27),t
oppingWaves(28),tsunami(29),eruption(30),debrisFlow(31),thinCloud(32),overcast(33),d
ustStorm(34),sleet(35),graupel(36),hail(37),fineAndCloudy(38)others(98),invalidData(9
9)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventWeatherConditionForecast RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "weatherconditionforecast"
  Asn1Name            "eventWeatherConditionForecast"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Weather condition forecast (conditions for the future) based on the
judgment of site workers referring to weather forecasts, etc. is indicated as weather
condition forecast code."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{invalidData(0),strong(1),weak(2),gettingStronger(3),gettingW
eaker(4),subsiding(5),approaching(6),warningAnnounced(7),cautionAnnounced(8),cance
lled(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventRainfallStatus RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "rainfallstatus"
  Asn1Name            "eventRainfallStatus"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Rainfall status is indicated by 4 classifications judging various
weather rainfall data (8-2-2 rainfall) rainfall data from rain conditions per time unit (10
minutes).  A condition of 0mm/h rainfall is no rain, less than 15mm/h is some rainfall,
more than 15mm/h is caution and over 30mm/h is warning."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{noRainfall(0),someRainfallIs(1),cautionMoreThan15mmPerh
Rainfall(2)cautionaryWarningOver30mmPerhRainfall(3),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

eventSnowfallStatus RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "snowfallstatus"
  Asn1Name            "eventSnowfallStatus"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Expression of snowfall status by snowfall status code from a
judgment of snowfall data detected by a snowfall meter.

"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{noSnowfall(0),weakSnow(1),snow(2),strongSnow(3),drivenSn
ow(4),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventWindSpeedConditions RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "windspeedconditions"
  Asn1Name            "eventWindSpeedConditions"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Wind condition is indicated by code judging various weather and
(8-2-6 wind velocity) wind velocity data from road surface wind condition per time unit
(10 minutes). Wind velocity from 0m to 12m is normal, 13m to 19m is caution andover
20m is warning."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            ENUMERATED{normal(1),caution(2),warning(3),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventMeasuredScaleOfAnEarthquake RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "measuredscaleofanearthquake"
  Asn1Name            "eventMeasuredScaleOfAnEarthquake"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Expression of degree of strength or weakness of land surface
movement at the time of an earthquake. Defined as intensity 1 to 8 based on the
Meteorological Agency's seismic classification, from seismometers installed at various
locations and in the judgment of meteorological officers at meteorological observatories
and weather stations."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(1..8)
  FORMAT               "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(1..8)"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

eventEarthquakeWarningAnnouncementPlace RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "earthquakewarningannouncementplace"
  Asn1Name            "eventEarthquakeWarningAnnouncementPlace"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "This indicates that the location for which an earthquake warning
  announcement bythe Prime Minister under Article 9 of the Large-scale Earthquake
  CountermeasuresExtraordinary Legislation is either offshore Tokai or the southern
  Kanto region."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{detailsUnknown(0),offshoreTokai(1),southernKanto(2),others(
  98),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventWaveCondition RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "wavecondition"
  Asn1Name            "eventWaveCondition"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "This is reference to the height of tide with the mean surface of the sea
in Tokyo Bay taken as the criterion."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{normal(1),caution(2),warning(3),drop(4),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventTransmittanceDecrease RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "transmittancedecrease"
  Asn1Name            "eventTransmittanceDecrease"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Visibility refers to the maximum distance at which the form of the
  target can be recognized with naked eyes and the sky as the background. The
  aggravation of visibility by accumulation of minute particles in the atmosphere is
  referred to as decline in visibility."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             ENUMERATED{declineInVisibilityIs(0),noDecline(1),invalidData(9)}
  FORMAT               "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventVisibility RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "visibility"
  Asn1Name            "eventVisibility"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "By judging "visibility" data detected by a visibility gauge, visibility is
indicated together with the visibility code."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{thirtyMeter(1),fiftyMeter(2),seventyMeter(3),oneHundredMeter(4),oneHundredTwentyMeter(5),oneHundredFiftyMeter(6),oneHundredSeventyMeter(7),twoHundredMeter(8),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventWeather RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "weather"
  Asn1Name            "eventWeather"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Atmospheric conditions synthesized from weather elements such as
air temperature, humidity, wind, cloud, precipitation, visibility at a certain time, or over
a short period."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{clear(1),fine(2),thinCloud(3),overcast(4),haze(5),dustStorm(6),
blizzard(7),fog(8),drizzle(9),rain(10),sleet(11),snow(12),graupel(13),hail(14),thunder(15)
,fineAndCloudy(16),heavyRain(17),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

eventAttentionType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "attentiontype"
  Asn1Name            "eventAttentionType"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates type of caution report."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{heavyRain(1),heavySnow(2),snowStorm(3),thunder(4),strong
Wind(5),waves(6),meltingSnow(7),flood(8),highWaves(9),densefog(10),dry(11),avalanche
(12),lowTemperature(13),frost(14),iceAccretion(15),snowAccretion(16),other(17),invalid
Data(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventAttentionAndWarningContents RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "attentionandwarningcontents"
  Asn1Name            "eventAttentionAndWarningContents"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Indicates details associated with a caution report or warnings"
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..65536))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventPrecipitationType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "precipitationtype"
  Asn1Name            "eventPrecipitationType"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Determination of rain or snow in the probable precipitation."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{rain(1),rainOrSnow(2),snowOrRain(3),snow(4),invalidData(9)}
}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventRoadSurfaceConditions RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "roadsurfaceconditions"
  Asn1Name            "eventRoadSurfaceConditions"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates the form and condition of the road surface as judged by road
patrol, etc."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{frozen(1),accumulationOfSnow(2),damp(3),filmOfWater(4),dr
y(5),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventAhsRoadSurfaceConditions13Detail RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "ahsroadsurfaceconditions13detail"
  Asn1Name            "eventAhsRoadSurfaceConditions13Detail"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of water or snow ice on the road (13 classes)"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{verySlipperyThickSnow(1),verySlipperyIceSheet(2),verySlipp
eryIceFilm(3),iceSheet(4),iceFilm(5),iceSheetUnderPowerSnow(6),iceSheetUnderGranu
larSnow(7),thickSnow(8),powderSnow(9),granularSnow(10),sherbet(11),wet(12),dry(13)
,invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventAhsRoadSurfaceConditions7 RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "ahsroadsurfaceconditions7"
  Asn1Name            "eventAhsRoadSurfaceConditions7"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of water or snow ice on the road (7 classes)"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{verySlipperyRoad(1),iceRink(2),thickSnow(3),powerAndGran
ularSnow(4),sherbet(5),wet(6),dry(7),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventAhsRoadSurfaceConditions5 RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "ahsroadsurfaceconditions5"
  Asn1Name            "eventAhsRoadSurfaceConditions5"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Indicates classification of water, snow and ice on road surface (5
  classes)"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{frozen(1),snow(2),damp(3),waterFilm(4),dry(5),invalidData(9)
  }
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventDisasterType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "disastertype"
  Asn1Name            "eventDisasterType"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Classification of road disaster.  Uses the 1 digit disaster code."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{noDetails(0),rockfall(1),landslide(2),fallenTree(3),roadDamag
e(4),submergedWater(5),roadCave(6),lackOfRoadShoulder(7),roadBroken(8),powerCut(
9),lightning(10),gasExplosion(11),gasLeak(12),roadsideFire(13),roadShoulderFire(14),fl
ood(15),mudSlide(16),pyrogenousOutflow(17),eruption(18),tsunami(19),roadCollapse(20
),bridgeCollapse(21),seaWallCollapse(22),faceOfSlopeCollapse(23),disaster(24),others(2
5),unknown(26),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

eventProjectSectionNameOfDisasterOccurrence RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "projectsectionnameofdisasteroccurrence"
  Asn1Name            "eventProjectSectionNameOfDisasterOccurrence"
  ASN-OBJECT IDENTIFER {}
  DEFINITION          "Name of point where disaster occurred."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             UTF8String(size(0..256))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventDisasterOccurrenceFacilityType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "disasteroccurrencefacilitytype"
  Asn1Name            "eventDisasterOccurrenceFacilityType"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of disaster-stricken facility."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{bridge(0),crossRoadBridge(1),sharedGutter(2),tunnel(3),forse
Road(4),banking(5),retainingWall(6),rockShedSnowShed(7),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventDisasterOccurrenceFacilityQuantity RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "disasteroccurrencefacilityquantity"
  Asn1Name            "eventDisasterOccurrenceFacilityQuantity"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Number of disaster-stricken facilities."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9)
  FORMAT               "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

eventRoadSurfaceDamage RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "roadsurfacedamage"
  Asn1Name            "eventRoadSurfaceDamage"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of damage on road surface."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{deformationOfCrack(1),sinking(2),localSwelling(3),breakOfJo
int(4),bump(5),soil(6),rockFall(7),inundation(8),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventShoulderDamage RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "shoulderdamage"
  Asn1Name            "eventShoulderDamage"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of damage on road shoulder."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{deformationOfCrack(1),sinking(2),bump(3),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventSlopeFaceDamage RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "slopefacedamage"
  Asn1Name            "eventSlopeFaceDamage"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of damage on face of slope."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{crack(1),collapse(2),rockfall(3),crumblingRock(4),protectionCo
llapse(5),drainCollapse(6),collapseOfAntiRockfallSystem(7),collapseOfOtherFaceOfSlop
eFacilities(8),runoff(9),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventBridgeDamage RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "bridgedamage"
  Asn1Name            "eventBridgeDamage"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of bridge damage."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{crackInFloorConcrete(1),swellingOfPavementOfBridge(2),crackInPavementOfSurface(3),breakageOfHandrail(4),breakageOfWeldingPartOfExpansionJoint(5),deformationOfExpansionJoint(6),deformationOrTwistingOfMainStructure(7),crackInMainStructure(8),crackInConcreteSpar(9),collapseOfSubstructure(10),submersionOrSlantOfSubstructure(11),otherBreakageOfFacilities(12),fallABridge(13),openOfBridge(14),bumpOfBridge(15),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventRetainingWallRevetmentDamage RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "retainingwallrevetmentdamage"
  Asn1Name            "eventRetainingWallRevetmentDamage"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of damage of retaining wall, sea wall."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{crackInRetainingWall(1),crackInJointOfRetainingWall(2),localSwellingOfRetainingWall(3),deformationOfRetainingWall(4),crackOfBackFillOfSeaWall(5),submersion(6),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

eventCrossingFacilityDamage RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "crossingfacilitydamage"
  Asn1Name            "eventCrossingFacilityDamage"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of damage of crossing facilities"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{troubleWithPoleOrSparOfPedestrianBridge(1),breakageOfJointOfPedestrianBridge(2),submersionOfFoundationOfPedestrianBridge(3),troubleWithPedestrianTunnel(4),troubleWithDrainPumpOfPedestrianTunnel(5),invalidData(9)]
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventTunnelDamage RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "tunneldamage"
  Asn1Name            "eventTunnelDamage"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of tunnel damage."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{breakageOfLiningLighting(1),crackInLining(2),leakageOfWater(3),collapseOfGateOrGateSlope(4),breakageOfVentilation(5),breakageOfLightning(6),breakageOfEmergencyFacilities(7),collapseOfAMask(8),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventRoadAccessoriesDamage RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "roadaccessoriesdamage"
  Asn1Name            "eventRoadAccessoriesDamage"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of damage of road accessories."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{bendingOfLightingPoleOrRoadSigns(1),breakageOfLightingC
onnection(2),troubleWithBicycleParking(3),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventCommonDuctDamage RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "commonductdamage"
  Asn1Name            "eventCommonDuctDamage"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of damage of common duct."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{crackInBody(1),leakageOfWaterFromJoint(2),troubleWithMa
nhole(3),otherBreakageOfDrainageVentilationLightingElectricalSupply(4),invalidData(
9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventDisasterDetection RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "disasterdetection"
  Asn1Name            "eventDisasterDetection"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of detection of a disaster.  Each system detects one of
the following disasters: road collapse, bridge damage, high waves, face of slope
damage, rock fall, landslide,snowslide, mud slide, high seas, eruption, roadside fire,
tunnel fire."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{roadCollapse(1),bridgeDamage(2),highWaves(3),faceOfSlopeD
amage(4),rockFall(5),landslide(6),snowslide(7),mudSlide(8),highSeas(9),eruption(10),ro
adsideFire(11),tunnelFire(12),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventRoadDamageLength RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "roaddamagelength"
  Asn1Name            "eventRoadDamageLength"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "The data wherein the road length concerned with road damages is
given."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..99999)
  FORMAT               "9999v9"
  UNIT-OF-MEASURE      "m"
  VALID-VALUE-RULE     "VALUE(0.. 9999.9)in 0.1m"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventRoadDamageArea RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "roaddamagearea"
  Asn1Name            "eventRoadDamageArea"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The data wherein the road area concerned with road damages is
given."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..99999)
  FORMAT               "9999v9"
  UNIT-OF-MEASURE      "m2"
  VALID-VALUE-RULE     "VALUE(0.. 9999.9)in 0.1 m2"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventRoadDamageSoilVolume RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "roaddamagesoilvolume"
  Asn1Name            "eventRoadDamageSoilVolume"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The data wherein the disaster soil volume concerned with road
  damages is given."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..99999)
  FORMAT               "9999v9"
  UNIT-OF-MEASURE      "m3"
  VALID-VALUE-RULE     "VALUE(0.. 9999.9)in 0.1m3"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

eventEmbankmentDamageConditions RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "embankmentdamageconditions"
  Asn1Name            "eventEmbankmentDamageConditions"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The data wherein damage such as the collapse of banks and washouts
is given.
{noEntry (0), collapse (1), washout (2), upheaval (3), invalidData (9)}"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            ENUMERATED{noEntry(0),collapse(1),washout(2),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventConditionOfFire RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "conditionoffire"
  Asn1Name            "eventConditionOfFire"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "To indicate whether a fire is being extinguished or spreading
expressed in accordance with fire condition code
"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{fireBeingExtinguished(1),spreading(2),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventDisasterOutline RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "disasteroutline"
  Asn1Name            "eventDisasterOutline"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Indicates a summary of disaster data"
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             UTF8String(size(0..65536))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventDisasterDetail RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "disasterdetail"
  Asn1Name            "eventDisasterDetail"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Indicates a detailed explanation of disaster data"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             UTF8String(size(0..65536))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventOperationContent RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "operationcontent"
  Asn1Name            "eventOperationContent"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates the contents of an operation in conformity with operation
content codes."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
    ENUMERATED{noDetails(0),roadFacilitiesCleaning(1),plantingWork(2),weedi
ngWork(3),snowRemovableWorks(4),antifreezeSprayingWork(5),faceOfSlopeWork(6),dr
ainingWork(7),bridgeRepairWork(8),pavementConstruction(9),gardeningWork(10),cras
hBarrierConstruction(11),trafficSafetyFacilityConstruction(12),trafficControlFacilityCo
nstruction(13),roadSignWork(14),soundproofWallConstruction(15),accidentRestoration
Work(16),disasterRestorationWork(17),cleaningAndInspectionInsideTheTunnel(18),ligh
tingFacilityCleaningAndInspection(19),installationWorkInsideTheTunnel(20),lightingI
nstallationWork(21),roadFacilitiesImprovementConstruction(22),laneMarkingWork(23)
,intensiveConstruction(24),urgentConstruction(25),electricalWork(26),waterWork(27),p
avementWork(28),undergroundConstruction(29),bridgeConstruction(30),constructionIn
TheCave(31),gasFitting(32),telephoneConstruction(33),sewerWork(34),intersectionWor
k(35),footbridgeWork(36),informationPanelWork(37),disasterMitigationWork(38),guard
fenceWork(39),snowshedWork(40),tunnelWork(41),undergroundWork(42),commonDuct
Work(43),communicationCableBoxWork(44),informationBoxWork(45),roadImprovemen
tWork(46),bridgeWork(47),expresswayWork(48),railwayWork(49),paintingWork(50),und
ergroundCrossingWork(51),communicationWork(52),plantingConstruction(53),mainten
anceWork(54),rehabilitationWork(55),check(56),cleaning(57),others(98),invalidData(99)
}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventRestorationOutline RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "restorationoutline"
  Asn1Name            "eventRestorationOutline"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Indicates an explanation of counter measures and scope of corrective
  action"
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..65536))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventTunnelFireDetection RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "tunnelfiredetection"
  Asn1Name            "eventTunnelFireDetection"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "To indicate detection of a burning vehicle in a tunnel expressed in
accordance with fire detection code
"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            ENUMERATED{notDetected(0),detected(1),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventOutlineInformationRoadsideFire RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "outlineinformationroadsidefire"
  Asn1Name            "eventOutlineInformationRoadsideFire"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The data wherein the availability of massive conflagration by the
roadside is given.
{notAvailable (0), available (1), invalidData (9)}"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             ENUMERATED{notAvailable(0),available(1),invalidData(9)}
  FORMAT               "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```



```

eventHandlingConditions RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "handlingconditions"
  Asn1Name            "eventHandlingConditions"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Describes the processing of a fire in conformity with the fire
processing situation codes."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{detailsUnknown(0),fireBeingExtinguished(1),fireSpreading(2
),putOut(3),others(98),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventAccidentPattern RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "accidentpattern"
  Asn1Name            "eventAccidentPattern"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Form of accident indicated along with accident form code.  In the
event of a crash with a vehicle or a structure it is referred to as a "collision" and
distinction between a minor collision is judged appropriately from the degree, extent,
etc.  In case of a collision with the car in front or the primary party bumps into or is
bumped into, it is referred to as a "rear-end collision," in case a car runs into a protective
wall, bridge railing, island, slope, other structures, median strip, etc., it is referred to as
"running into," but when another car runs on top of another car it is still a "collision." In
the event a vehicle runs through or penetrates a protective wall, bridge railing, island,
other structures and structures such as median strips and is totally damaged, it is
referred to as "running through." (JH)"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE  data-element
  STANDARD              "Road Communication Standard"
  DATATYPE
      ENUMERATED{detailsUnknown(0),collision(1),rearEndCollision(2),minorColl
ision(3),runningInto(4),runningThrough(5),breakingThrough(6),runningOver(7),turnin
gSideways(8),overturning(9),turningSidewaysOverturning(10),rearEndCollisionTurning
Sideways(11),falling(12),stumbling(13),collapseOfCargo(14),collidingWithFacility(15),v
ehicleFire(16),carAccident(17),accidentInvolvingInjuryDeath(18),accidentInvolvingDa
mageToProperty(19),reinspection(20),others(98),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventAccidentObject RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "accidentobject"
  Asn1Name            "eventAccidentObject"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Accident object indicated together with accident object code."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{movingVehicle(1),protectiveWall(2),medianStrip(3),slopeSurface(4),tunnelWall(5),roadFacility(6),roadSurfaceObstacle(7),outsideRoad(8),pedestrian(9),nothingCorresponding(10),slope(11),guardRail(12),protectiveFence(13),invalidData(98),others(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventAccidentHandlingConditions RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "accidenthandlingconditions"
  Asn1Name            "eventAccidentHandlingConditions"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Accident handling conditions indicated together with code concerning
situation of how accident is being dealt with. (One digit classification)"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{detailsUnknown(0),dealingWithTheSituation(1),standingBy(
2),inspecting(3),reported(4),repairsCompleted(5),beingTowed(6),inspectionCompleteAn
dAccidentVehicleBeingRemoved(7),inspectionCompleteAndScatteredArticlesBeingRem
oved(8),inspectionCompleteAndSpiltOilBeingTreated(9),inspectionCompleted(10),accid
entVehicleBeingRemoved(11),injuredBeingRescued(12),wreckerInOperation(13),scatter
edArticlesBeingRemoved(14),spiltOilBeingTreated(15),restrictionsToBeLiftedSoon(16),f
ireBeingExtinguished(17),fireSpreading(18),reinspecting(19),adjusting(20),others(98),i
nvalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventNumbersOfFatalInjuriesDue RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "numbersoffatalinjuriesdue"
  Asn1Name            "eventNumbersOfFatalInjuriesDue"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Number of people killed in traffic accidents."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999999)
  FORMAT              "999999"
  UNIT-OF-MEASURE      "person"
  VALID-VALUE-RULE     "VALUE(0..999999)in 1person"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

eventNumbersOfMediumInjuriesDue RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "numbersofmediuminjuriesdue"
  Asn1Name            "eventNumbersOfMediumInjuriesDue"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Number of medium level injuries caused by traffic accidents."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999999)
  FORMAT              "999999"
  UNIT-OF-MEASURE      "person"
  VALID-VALUE-RULE     "VALUE(0..999999)in 1person"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventNumbersOfSeriousInjuriesDue RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "numbersofseriousinjuriesdue"
  Asn1Name            "eventNumbersOfSeriousInjuriesDue"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Number of serious injuries caused by traffic accidents."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..99999)
  FORMAT              "99999"
  UNIT-OF-MEASURE      "person"
  VALID-VALUE-RULE     "VALUE(0..99999)in 1person"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

eventNumbersOfSlightInjuriesDue RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "numbersofslightinjuriesdue"
  Asn1Name            "eventNumbersOfSlightInjuriesDue"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Number of slight injuries by traffic accident."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999999)
  FORMAT              "999999"
  UNIT-OF-MEASURE      "person"
  VALID-VALUE-RULE     "VALUE(0..999999)in 1person"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```



```

eventRestrictionCause RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "restrictioncause"
  Asn1Name            "eventRestrictionCause"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of cause of traffic restrictions."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
    ENUMERATED{noCauseOfEvent(0),accident(1),fire(2),brokenDownVehicle(3),
roadObstacle(4),construction(5),operations(6),entertainmentEtc(7),weatherConditions(
8),disaster(9),seismicAlert(10),others(14),unknown(15),rain(16)snow(17),mist(18),fog(1
9),freezing(20),sideWind(21),strongWind(22),storm(23),earthquake(24),fallenObject(25)
,trafficJam(26),constructionPlan(27),thunderstorm(28),windAndRain(29),strongWindA
ndRain(30),fallenSnow(31),snowstorm(32),snowstormBlownUpFromTheGroundByThe
Wind(33),highWaves(34),floodTide(35),bridgeCollapse(36),roadShoulderCollapse(37),su
rfaceCollapse(38),roadCollapse(39),seaWallCollapse(40),faceOfSlopeCollapse(41),snow
RemovalOperation(42),tsunami(43),alert(44),warning(45),beforeRegulationOfTraffic(46
),aLongConstruction(47),detonation(48),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

eventCauseDetails RCS-DATA-ELEMENT::=

{

DESCRIPTIVE-NAME "causedetails"

Asn1Name "eventCauseDetails"

ASN-OBJECT IDENTIFIER { }

DEFINITION "Detailed classification of cause."

DESCRIPTIVE-NAME-CONTEXT { }

DATE-CONCEPT-TYPE data-element

STANDARD "Road Communication Standard"

DATATYPE

ENUMERATED{naturalCongestion(1),bottleneckCongestion(2),lookingSidewalks(3),accidentInvolvingVehicle(101),accidentInvolvingPeople(102),accidentInvolvingObject(103),accidentInvolvingOverturning(104),accidentInvolvingHeadOnCollision(105),accidentByRearEndCollision(106),accidentInvolvingCollision(107),accidentInvolvingOverriding(108),accidentInvolvingBreak(109),accidentInvolvingRollingOver(110),accidentInvolvingFalling(111),accidentInvolvingCollisionWithFacilities(112),vehicleFire(201),roadFire(202),medianStripFire(203),tunnelFire(204),roadShoulderFire(205),roadsideFire(206),slopeFire(207),slopeSurfaceFire(208),roadFacilitiesFire(209),vehicleWithFlatTyre(301),fallenObject(401),droppedCargo(402),scatteredCargo(403),spiltCargo(404),oilLeak(405),obstacle(406),person(407),animal(408),electricalWork(501),gasFitting(502),waterWork(503),pavingWork(504),pavementWork(505),telephoneConstruction(506),undergroundConstruction(507),sewerWork(508),faceOfSlopeWork(509),bridgeConstruction(510),roadWork(511),gardeningWork(512),roadSignWork(513),crashBarrierConstruction(514),trafficSafetyFacilityConstruction(515),trafficControlFacilityConstruction(516),soundproofWallConstruction(517),accidentRestorationWork(518),disasterRestorationWork(519),installationWorkInsideTheTunnel(520),constructionInTheCave(521),lightingInstallationWork(522),laneMarkingWork(523),roadFacilitiesConstruction(524),intensiveWork(525),constructionPlan(526),longTermConstruction(527),roadImprovementWork(528),intersectionWork(529),bridgeWork(530),maintenanceWork(531),rehabilitationWork(532),guardfenceWork(533),footbridgeWork(534),commonDuctWork(535),communicationCableBoxWork(536),informationBoxWork(537),undergroundCrossingWork(538),undergroundWork(539),disasterMitigationWork(540),snowshedWork(541),informationPanelWork(542),paintingWork(543),communicationWork(544),railwayWork(545),expresswayWork(546),plantingConstruction(547),disasterRecovery(548),tunnelWork(549),snowRemovalWork(550),roadFacilitiesCleaning(601),treeCutting(602),plantingWork(603),weedingWork(604),snowRemovalOperation(605),antifreezeSprayingWork(606),faceOfSlopeOperation(607)

,drainingWork(608),bridgeRepairwork(609),cleaningAndInspectionInsideTheTunnel(610),lightingFacilityCleaningAndInspection(611),laneMarkingOperating(612),slowCarOperation(613),inspectionWork(614),cleaning(615),check(616),vipGuard(701),event(702),parade(703),festival(704),demo(705),vehicleFreePromenade(706),marathon(707),exhibition(708),guard(709),guardForStateGuest(710),snow(801),windAndSnow(802),heavySnow(803),snowstorm(804),avalanche(805),snowfall(806),freezing(807),storm(808),sideWind(809),fog(810),thunder(811),slush(812),compressedSnow(813),thunderstorm(814),rain(815),windAndRain(816),heavyRain(817),typhoon(818),flood(819),riverFlooding(820),wave(821),floodTide(822),highWaves(823),highFlowWave(824),tsunami(825),eruption(826),mudSlide(827),collapse(828),earthquake(829),blizzard(830),denseFog(831),strongWind(832),strongWindAndRain(833),alert(834),warning(835),shiftingSand(836),landslide(901),rockfall(902),floodedRoad(903),overheadFlood(904),roadCollapse(905),roadDamage(906),fallenTree(907),gasExplosion(908),gasLeak(909),powerCut(910),lightning(911),bridgeCollapse(912),surfaceCollapse(913),roadShoulderCollapse(914),seaWallCollapse(915),faceOfSlopeCollapse(916),explosion(917),advanceTheRegulationOfPassage(918),unknown(1000),invalidData(9999)}

FORMAT "9999"

UNIT-OF-MEASURE

VALID-VALUE-RULE "VALUE(0..9999)"

DATA-QUALITY

REGISTRATION-STATUS recorded

}

```

eventRestrictionContent RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "restrictioncontent"
  Asn1Name            "eventRestrictionContent"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of traffic restrictions by law, statute, ordinance."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{noDetails(0),closedToTraffic(1),turningRestriction(2),speedLi
mit(3),trafficLaneRestriction(4),oneSidedControl(5),chainRestriction(6),onRampControl
(7),closedToLargeSizedSpecialVehicles(8),intransitRestriction(9),offRampControl(10),ro
adNarrowAheads(12),trafficCaution(13),others(97),unknown(98),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventRestrictionContentDetails RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "restrictioncontentdetails"
  Asn1Name            "eventRestrictionContentDetails"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Detailed classification of traffic restrictions."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
    ENUMERATED{noDetails(0),noEntry(101),roadClosedInWinter(102),roadSho
ulderRoadClosed(103),nightRoadClosed(104),timeClosed(105),bywalkClosed(106),ramp
Closed(107),noRightTurn(201),noLeftTurn(202),noStraightOn(203),noRightOrLeftTurn(
204),speedLimit10(301),speedLimit20(302),speedLimit30h(303),speedLimit40(304),spe
edLimit50(305),speedLimit60(306),speedLimit70kmPerh(307),speedLimit80kmPerh(30
8),speedLimit90kmPerh(309),speedLimit100kmPerh(310),speedLimit110kmPerh(311),s
peedLimit120(312),speedLimit130(313),drivingSlowly(314),speedLimit(315),oneLaneRe
stricted(401),twoLanesRestricted(402),threeLanesRestricted(403),fourLanesRestricted(
404),fiveLanesRestricted(405),sixLanesRestricted(406),sevenLanesRestricted(407),eigh
tLanesRestricted(408),overtakingLaneRestricted(409),allLanesRestricted(410),crawler
LaneRestricted(411),roadShoulderRestricted(412),running1(413),running2(414),runnin
g1Running2(415),running2Overtaking(416),crawlerLaneRunning(417),intransitRestric
tion(418),bywalkRestricted(419),oneSidedAlternatingTraffic(501),oneSidedControl(502)
,twoWayTraffic(503),carryingChain(601),chainNeeded(602),chainEquipment(603),slipS
topperCarry(604),slipStopperDemand(605),slipStopperLoad(606),entranceClosed(700),
entranceLimited(701),closedToLargeSizedVehicles(801),closedToLargeSizedSpecialVehi
cles(802),closedToLargeSizedTrucks(803),bermRestricted(901),centerRestricted(902),off
RampControl(1001),rampTrafficCaution(1301),bywalkTrafficCaution(1302),unknown(9
800),invalidData(9900)}
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventTrafficRestrictionVehicle RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "trafficrestrictionvehicle"
  Asn1Name            "eventTrafficRestrictionVehicle"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Indicates the vehicles that are not allowed to pass."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{closedToLargeSizedVehicles(0),closedToLargeSizedSpecialVeh
icles(1),closedToLargeSizedTrucks(2),closedToTraffic(3),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventRoadStructureToBeConstructed RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "roadstructuretobeconstructed"
  Asn1Name            "eventRoadStructureToBeConstructed"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of construction."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{roadSurface(1),roadShoulder(2),faceOfSlope(3),bridge(4),retai
ningWallSeaWall(5),crossingFacilities(6), t
unnel(7),roadFacilities(8),commonDuct(9),occupiedFacilities(10),others(11),invalidData
(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventConstructionType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "constructiontype"
  Asn1Name            "eventConstructionType"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of construction by type."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{noDetails(0),repairWork(1),constructionStoppingAllTraffic(2),
urgentConstruction(3),improvementConstruction(4),intensiveConstruction(5),snowWork(6),mowingWork(7),others(97),unknown(98),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```


eventConstructionContent RCS-DATA-ELEMENT::=

{

DESCRIPTIVE-NAME "constructioncontent"

Asn1Name "eventConstructionContent"

ASN-OBJECT IDENTIFIER { }

DEFINITION "Classification of construction by content."

DESCRIPTIVE-NAME-CONTEXT { }

DATE-CONCEPT-TYPE data-element

STANDARD "Road Communication Standard"

DATATYPE

ENUMERATED{noDetails(0),roadFacilitiesCleaning(1),plantingWork(2),weedingWork(3),snowRemovableWorks(4),antifreezeSprayingWork(5),faceOfSlopeWork(6),drainingWork(7),bridgeRepairWork(8),pavementConstruction(9),gardeningWork(10),crashBarrierConstruction(11),trafficSafetyFacilityConstruction(12),trafficControlFacilityConstruction(13),roadSignWork(14),soundproofWallConstruction(15),accidentRestorationWork(16),disasterRestorationWork(17),cleaningAndInspectionInsideTheTunnel(18),lightingFacilityCleaningAndInspection(19),installationWorkInsideTheTunnel(20),lightingInstallationWork(21),roadFacilitiesImprovementConstruction(22),laneMarkingWork(23),intensiveConstruction(24),urgentConstruction(25),electricalWork(26),waterWork(27),pavementWork(28),undergroundConstruction(29),bridgeConstruction(30),constructionInTheCave(31),gasFitting(32),telephoneConstruction(33),sewerWork(34),others(98),invalidData(99)}

FORMAT "99"

UNIT-OF-MEASURE

VALID-VALUE-RULE "VALUE(0..99)"

DATA-QUALITY

REGISTRATION-STATUS recorded

}

```

eventConstructionOperationConditions RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "constructionoperationconditions"
  Asn1Name            "eventConstructionOperationConditions"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of time condition of construction; that is, continuous or
limited."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{continuous(1),intermittent(2),others(99),invalidData(98)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventWeatherConditions RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "weatherconditions"
  Asn1Name            "eventWeatherConditions"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of construction by weather, that is, when it is raining,
construction is cancelled, carried out or postponed."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{rainOrShine(1),rainedOff(2),postponeDueToRain(3),others(99
),invalidData(98)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventProgressLengthOfConstructionLink RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "progresslengthofconstructionlink"
  Asn1Name            "eventProgressLengthOfConstructionLink"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Length of construction area."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999)
  FORMAT               "999"
  UNIT-OF-MEASURE      "m"
  VALID-VALUE-RULE     "VALUE(0..999)in 1m"
  DATA-QUALITY        "1m"
  REGISTRATION-STATUS      recorded
}

```

```

eventCurrentRateOfConstruction RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "currentrateofconstruction"
  Asn1Name            "eventCurrentRateOfConstruction"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates the progress (by %) of construction."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..1000)
  FORMAT              "999v9"
  UNIT-OF-MEASURE      "%"
  VALID-VALUE-RULE     "VALUE(0..100.0)in 0.1%"
  DATA-QUALITY        "0.1%"
  REGISTRATION-STATUS   recorded
}

```

```

eventNamesOfOperationalConstructionEquipmentForRestoration
RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "namesofoperationalconstructionequipmentforrestoration"
  Asn1Name            "eventNamesOfOperationalConstructionEquipmentForRestoration"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Name of machines used for restoration construction."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
    ENUMERATED{policeVehicle(1),crane(2),roadSignCleaningVehicle(3),debrisC
arryingShip(4),seaSurfaceCleaningShip(5),dustCarryingSystem(6),weedingVehiclelarg
e(7),weedingMachineSmall(8),waterSprinklingVehicle(9),roadCleaningVehicle(10),cras
hBarrierCleaningVehicle(11),drainCleaningVehicle(12),sideDrainCleaningVehicle(13),t
unnelCleaningVehicle(14),liftingVehicle(15),bridgeMaintenanceVehicle(16),skidResista
nceTestVehicle(17),roadMaintenanceVehicleFlexMeasurement(18),examinationVehicle
Amphibian(19),motorizedGrader(20),forkLiftTruck(21),lightingVehicle(22),sandBagMa
kingVehicle(23),damageRecoveryVehicleMultiPurposeType(24),damageRecoveryVehicle
Headquarter(25),satelliteCommunicationVehicle(26),pumpVehicle(27),portableBridge(2
8),areaInChargeCheckingMachine(29),runningVehicleWeightMeter(30),invalidData(99)
  }
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventNumbersOfOperationalConstructionEquipmentForRestoration
RCS-DATA-ELEMENT::=
{
    DESCRIPTIVE-NAME    "numbersofoperationalconstructionequipmentforrestoration"
    Asn1Name            "eventNumbersOfOperationalConstructionEquipmentForRestoration"
    ASN-OBJECT IDENTIFER { }
    DEFINITION          "Number of machines used for restoration construction."
    DESCRIPTIVE-NAME-CONTEXT { }
    DATE-CONCEPT-TYPE data-element
    STANDARD             "Road Communication Standard"
    DATATYPE             INTEGER(0..999)
    FORMAT               "999"
    UNIT-OF-MEASURE      "vehicle"
    VALID-VALUE-RULE     "VALUE(0..999)in 1vehicle"
    DATA-QUALITY
    REGISTRATION-STATUS      recorded
}

```

```

eventCauseOfTheTrafficJam RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "causeofthetrafficjam"
  Asn1Name            "eventCauseOfTheTrafficJam"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of a congestion."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{noClassification(0),intenseTraffic(1),accident(2),construction(
3),weatherStatus(4),disaster(5),fire(6),brokenDownCar(7),roadObstacle(8),viewingLook
ingSideways(9),trafficRestrictions(10),closedToTraffic(11),operations(12),entertainment
Etc(13),earthquakeWarning(14),obstacles(15),others(97),unknown(98),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```



```

eventCauseOfTheTrafficJamDetail RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "causeofthetrafficjamdetail"
  Asn1Name            "eventCauseOfTheTrafficJamDetail"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of congestion."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{noDetails(0),nature(1),accident(2),construction(3),weatherSta
tus(4),disaster(5),fire(6),brokenDownCar(7),roadObstacle(8),viewingLookingSideways(9
),intenseTraffic(10),trafficRestrictions(11),closedToTraffic(12),operations(13),entertain
mentEtc(14),earthquakeWarning(15),obstacles(16),others(97),unknown(98),invalidData
(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventTrafficJamForecast RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "trafficjamforecast"
  Asn1Name            "eventTrafficJamForecast"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Increase or decrease of congestion."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             ENUMERATED{increase(1),decrease(2),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventTrafficJamTransitTime RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "trafficjamtransittime"
  Asn1Name            "eventTrafficJamTransitTime"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Necessary time to escape congestion interval. This time is
calculated by a data-base of traffic detection."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "minute"
  VALID-VALUE-RULE     "VALUE(0..9999)in 1minute"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventTrafficJamLesStatus RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "trafficjamlesstatus"
  Asn1Name            "eventTrafficJamLesStatus"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of condition of congestion."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{noJam(1),freeFlow(2),illFlow(3),jam(4),crowded(5),continuous
Jam(6),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventTargetObstacles RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "targetobstacles"
  Asn1Name            "eventTargetObstacles"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates type of obstacles blocking road together with road blocking
code."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{detailsUnknown(0),cargo(1),corrugatedCardboardBox(2),woo
denBox(3),lumber(4),oil(5),sheeting(6),tire(7),autoparts(8),stoneSandAndGravel(9),ani
mal(10),child(11),adult(12),magazinesAndTheLike(13),fluid(14),plywood(15),vinyl(16),c
orpseOfAnimal(17),tireFragment(18),fallingObject(81),clutter(82),oilLeak(83),others(97
),unknown(98),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventObstaclesForm RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "obstaclesform"
  Asn1Name            "eventObstaclesForm"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates condition of articles dropped on the road together with
dropped condition code."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{detailsUnknown(0),dropped(1),scattered(2),drifted(3),windBlo
wn(4),strayedIn(5),unknown(98),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventObstaclesStatus RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "obstaclesstatus"
  Asn1Name            "eventObstaclesStatus"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates status of dealing with obstacles closing road together with
code which indicates conditions. In case the obstacles are currently being worked on,
"dealing with the situation" and when being removed, "removal works conducted," etc.
are examples."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{detailsUnknownIs(0),dealingWithTheSituation(1),removalWo
rksBeingConducted(2),checking(3),rescuing(4),working(5),wreckerInOperation(6),remo
ving(7),removingScatteredArticles(8),disposingOfSpiltOil(9),inspecting(10),restrictions
ToBeLiftedSoon(11),noInformation(96),others(97),unknown(98),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventOutlineInformationRoadPassingObstacle RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "outlineinformationroadpassingobstacle"
  Asn1Name            "eventOutlineInformationRoadPassingObstacle"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The data wherein the availability of sizable obstacles on roads caused
by the collapse of buildings, etc. Is given.
{notAvailable (0), available (1), invalidData (9)}"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            ENUMERATED{notAvailable(0),available(1),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

eventPatternOfBrokenDownCar RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "patternofbrokendowncar"
  Asn1Name            "eventPatternOfBrokenDownCar"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates pattern/situation of broken-down vehicle."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{tirePuncture(61),engineTrouble(62),outOfGas(63),electricalSy
stemFailure(64),gearTrouble(65),brakeTrouble(66),acceleratorTrouble(67),clutchTroubl
e(68),radiatorTrouble(69),unknown(70),others(71),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(61..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventRemovalStatusOfBrokenDownCar RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "removalstatusofbrokendowncar"
  Asn1Name            "eventRemovalStatusOfBrokenDownCar"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates removal status of broken-down vehicle."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{undergoingRepairs(1),standingBy(2),repairsCompleted(3),bei
ngTowed(4),beingRemoved(5),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventAhsConfirmationUnusualBreakOutToDriver RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "ahsconfirmationunusualbreakouttodriver"
  Asn1Name            "eventAhsConfirmationUnusualBreakOutToDriver"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Confirmation of occurrence of driver abnormality."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{driverAbnormal(1),driverNotAbnormal(2),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventDeterminationOfVehicleHeight RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "determinationofvehicleheight"
  Asn1Name            "eventDeterminationOfVehicleHeight"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of vehicle height."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{outOfScale(0),moreThan2m(1),from1Dot5mTo2Dot0m
(2),lessThan1Dot5m(3),undeterminable(4),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

eventDeterminationOfVehicleLength RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "determinationofvehiclength"
  Asn1Name            "eventDeterminationOfVehicleLength"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Classification of vehicle length."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{outOfScale(0),moreThan4Dot75m(1),lessThan4Dot75m(2),un
determinable(3),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventDeterminationOfVehicleLengthBetweenGroundAndBottom
RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "determinationofvehiclengthbetweengroundandbottom"
  Asn1Name            "eventDeterminationOfVehicleLengthBetweenGroundAndBottom"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Classification of floor height."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{outOfScale(0),high(1),low(2),undeterminable(3),invalidData(9
  )}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALTY
  REGISTRATION-STATUS      recorded
}

```

```

eventDataViolationRegulation RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "dataviolationregulation"
  Asn1Name            "eventDataViolationRegulation"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of offense entered (when special vehicle traffic
regulations are broken) on the traffic record of a special vehicle by the road
administrator."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{vehicleWidthOffence(1),vehicleLengthOffence(2),vehicleHeig
htOffence(3),vehicleWeightOffence(4),vehicleMaximumAxleWeightOffence(5),vehicleAd
jacentAxleWeightOffence(6),vehicleCargoWidthOffence(7),vehicleCargoHeightOffence(
8),vehicleCargoLengthOffence(9),vehicleCargoWeightOffence(10),trafficConditionOffen
ce(11),others(99),invalidData(98)}

  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventRegionalConstructionBureauSystemName RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "regionalconstructionbureausystemname"
  Asn1Name            "eventRegionalConstructionBureauSystemName"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Name to represent Ministry of Land, Infrastructure and Transport
Regional Bureau."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..64))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

eventOfficeSystemName RCS-DATA-ELEMENT::=
{
    DESCRIPTIVE-NAME    "officesystemname"
    Asn1Name            "eventOfficeSystemName"
    ASN-OBJECT IDENTIFIER {}
    DEFINITION          "Indicates name by which system of office"
    DESCRIPTIVE-NAME-CONTEXT {}
    DATE-CONCEPT-TYPE data-element
    STANDARD             "Road Communication Standard"
    DATATYPE             UTF8String(size(0..64))
    FORMAT
    UNIT-OF-MEASURE
    VALID-VALUE-RULE
    DATA-QUALITY
    REGISTRATION-STATUS      recorded
}

```

```

eventRegionalConstructionBureauSystemCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "regionalconstructionbureausystemcode"
  Asn1Name            "eventRegionalConstructionBureauSystemCode"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Code to represent Ministry of Land, Infrastructure and Transport
  Regional Bureau."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{preliminaryAlert(1),alert(2),highAlert(3),emergency(4),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventOfficeAlertSystemCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "officealertsystemcode"
  Asn1Name            "eventOfficeAlertSystemCode"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates code by which system of office"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{preliminaryAlert(1),alert(2),highAlert(3),emergency(4),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventMaterialTypeLoadedIntoRestorationVehicle RCS-DATA-ELEMENT::=
{
    DESCRIPTIVE-NAME    "materialtypeloadedintorestorationvehicle"
    Asn1Name            "eventMaterialTypeLoadedIntoRestorationVehicle"
    ASN-OBJECT IDENTIFIER { }
    DEFINITION          "Classification of material carried on restoration vehicle."
    DESCRIPTIVE-NAME-CONTEXT { }
    DATE-CONCEPT-TYPE data-element
    STANDARD             "Road Communication Standard"
    DATATYPE
        ENUMERATED{typeOfMaterialCarriedOnRestorationVehicle}{undefined)
    FORMAT              "9"
    UNIT-OF-MEASURE
    VALID-VALUE-RULE    "VALUE(1..9)"
    DATA-QUALITY
    REGISTRATION-STATUS      incomplete
}

```

```

eventMaterialAmountLoadedIntoRestorationVehicle RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "materialamountloadedintorestorationvehicle"
  Asn1Name            "eventMaterialAmountLoadedIntoRestorationVehicle"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Amount of material carried on restoration vehicle."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..999)
  FORMAT               "999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..999)"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

eventNameOfDisasterMeasureConstructionEquipmentAccordingToDeploymentPlan
RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME
    "nameofdisastermeasureconstructionequipmentaccordingtodeploymentplan"
  Asn1Name
    "eventNameOfDisasterMeasureConstructionEquipmentAccordingToDeploymentPlan"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION    "Name of construction machine used to recover from disaster.  The
machine is selected by the recovery project."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE  data-element
  STANDARD      "Road Communication Standard"
  DATATYPE
    ENUMERATED{damageRecoveryVehicleMultiPurposeType(1),damageRecoveryVehicleHeadquarter(2),pumpVehicle(3),sandBagMakingMachine(4),sandBagMakingVehicle(5),lightingVehicle15KVA(6),lightingVehicle25KVA(7),portableBridge(8),operationsVehicle(9),bridgeMaintenanceVehicle(10),invalidData(99)}
  FORMAT        "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE  "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventNumberOfDisasterMeasureConstructionEquipmentAccordingToDeploymentPlan
RCS-DATA-ELEMENT::=
{
    DESCRIPTIVE-NAME
        "numberofdisastermeasureconstructionequipmentaccordingtodeploymentplan"
    Asn1Name
        "eventNumberOfDisasterMeasureConstructionEquipmentAccordingToDeploy
mentPlan"
    ASN-OBJECT IDENTIFIER { }
    DEFINITION    "Number of construction machines used to recover from disaster.  The
machine is selected by the recovery project."
    DESCRIPTIVE-NAME-CONTEXT { }
    DATE-CONCEPT-TYPE  data-element
    STANDARD      "Road Communication Standard"
    DATATYPE      INTEGER(0..99)
    FORMAT        "99"
    UNIT-OF-MEASURE    "vehicle"
    VALID-VALUE-RULE    "VALUE(0..99)in 1vehicle"
    DATA-QUALITY
    REGISTRATION-STATUS      recorded
}

```

```

eventConstructionEquipmentNameOwnedByConstructionOffice
RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "constructionequipmentnameownedbyconstructionoffice"
  Asn1Name            "eventConstructionEquipmentNameOwnedByConstructionOffice"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Name of construction machine possessed by an office."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
    ENUMERATED{policeVehicle(1),crane(2),roadSignCleaningVehicle(3),debrisC
arryingShip(4),seaSurfaceCleaningShip(5),dustCarryingSystem(6),weedingVehicleLarg
e(7),weedingMachineSmall(8),waterSprinklingVehicle(9),roadCleaningVehicle(10),cras
hBarrierCleaningVehicle(11),drainCleaningVehicle(12),sideDrainCleaningVehicle(13),t
unnelCleaningVehicle(14),liftingVehicle(15),bridgeMaintenanceVehicle(16),skidResista
nceTestVehicle(17),roadMaintenanceVehicleFlexMeasurement(18),examinationVehicle
Amphibian(19),motorizedGrader(20),forkLiftTruck(21),lightingVehicle(22),sandBagMa
kingVehicle(23),damageRecoveryVehicleMultiPurposeType(24),damageRecoveryVehicle
Headquarter(25),satelliteCommunicationVehicle(26),pumpVehicle(27),portableBridge(2
8),areaInChargeCheckingMachine(29),runningVehicleWeightMeter(30),invalidData(99)
}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

eventNumberOfConstructionEquipmentsOwnedByConstructionOffice
RCS-DATA-ELEMENT::=
{
    DESCRIPTIVE-NAME
        "numberofconstructionequipmentsownedbyconstructionoffice"
    Asn1Name
        "eventNumberOfConstructionEquipmentsOwnedByConstructionOffice"
    ASN-OBJECT IDENTIFIER { }
    DEFINITION    "Number of construction machines possessed by an office."
    DESCRIPTIVE-NAME-CONTEXT { }
    DATE-CONCEPT-TYPE  data-element
    STANDARD    "Road Communication Standard"
    DATATYPE    INTEGER(0..99)
    FORMAT      "99"
    UNIT-OF-MEASURE    "vehicle"
    VALID-VALUE-RULE    "VALUE(0..99)in 1vehicle"
    DATA-QUALITY
    REGISTRATION-STATUS      recorded
}

```

```

eventRestorationStatus RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "restorationstatus"
  Asn1Name            "eventRestorationStatus"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The data wherein the status of restoration measures for seismic
  hazards is shown.
  {noMeasures(0),closedToVehicleTraffic(1),trafficRegulation (2), invalidData (9)}"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{nomeasures(0),closedToVehicleTraffic(1),trafficRegulation(2),i
  nvalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventEmergencyRestorationConditions RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "emergencyrestorationconditions"
  Asn1Name            "eventEmergencyRestorationConditions"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The data wherein the progress of restoration operations under
emergency restoration programs is given.
{notInitiated(0),underConstruction(1),contruction Completed (2), InvalidData (9)}"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{notInitiated(0),underConstruction(1),constructionCompleted(
2),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventStatusCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "statusCode"
  Asn1Name            "eventStatusCode"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates the present status of an event in conformity with event
status division codes."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{detailsUnknown(0),plan(1),expected(2),occurrence(3),finished
(4),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventSuddenIncidentDetect RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "suddenincidentdetect"
  Asn1Name            "eventSuddenIncidentDetect"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates the type of an emergency event."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{accident(0),fire(1),roadObstacle(2),disaster(3),seism(4),highSe
as(5),mudSlide(6),submergedWater(7),landslide(8),rockFall(9),roadCollapse(10),roadBr
oken(11),bridgeCollapse(12),surfaceCollapse(13),roadShoulderCollapse(14),seaWallColl
apse(15),faceOfSlopeCollapse(16),others(17),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventRoadBoardDamageConditions RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "roadboarddamageconditions"
  Asn1Name            "eventRoadBoardDamageConditions"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The data wherein damage such as big upheavals, collapses, and
washouts of roadbeds is given."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{noEntry(0),collapse(1),washout(2),upheaval(3),invalidData(9)
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventOtherInformation RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "otherinformation"
  Asn1Name            "eventOtherInformation"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          ""
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..65536))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventAnotherSubjectInfo RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "anothersubjectinfo"
  Asn1Name            "eventAnotherSubjectInfo"
  ASN-OBJECT IDENTIFER {}
  DEFINITION          ""
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             UTF8String(size(0..65536))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

eventConstructionName RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "constructionname"
  Asn1Name            "eventConstructionName"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          ""
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             UTF8String(size(0..1200))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventConstructionPurpose RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "constructionpurpose"
  Asn1Name            "eventConstructionPurpose"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          ""
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..360))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventConstructionOwnerURL RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "constructionownerurl"
  Asn1Name            "eventConstructionOwnerURL"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          ""
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             OCTET STRING(size(0..600))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventProjectEvaluationURL RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "projectevaluationurl"
  Asn1Name            "eventProjectEvaluationURL"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          ""
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             OCTET STRING(size(0..600))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

eventTrafficRestrictionTotalLanes RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "trafficrestrictiontotallanes"
  Asn1Name            "eventTrafficRestrictionTotalLanes"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          ""
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(1..99)
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

eventTrackingNumber RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "trackingnumber"
  Asn1Name            "eventTrackingNumber"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          ""
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             OCTET STRING(size(0..17))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

statisticsBodyCapacityPassengers RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "bodycapacitypassengers"
  Asn1Name            "statisticsBodyCapacityPassengers"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Signifies total licensed carrying capacity as a number of passengers,
including the driver, according to type of vehicle."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..999)
  FORMAT              "999"
  UNIT-OF-MEASURE      "person"
  VALID-VALUE-RULE     "VALUE(0..999)in 1person"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckApplicantPersonName RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "applicantpersonname"
  Asn1Name            "specialtruckApplicantPersonName"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "User (road administrator, applicant) ID."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE            OCTET STRING
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

specialtruckApplicationContent RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "applicationcontent"
  Asn1Name            "specialtruckApplicationContent"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Contents of application regarding a special vehicle."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..65536))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckPermissionPerson RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "permissionperson"
  Asn1Name            "specialtruckPermissionPerson"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Indicates the road administrator who has issued the passage
  permission for a special vehicle."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            OCTET STRING
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckVehicleTypeApplication RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehicletypeapplication"
  Asn1Name            "specialtruckVehicleTypeApplication"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Vehicle type of a special vehicle listed on the application form for
  permission of passage of special vehicle by a transporter using the special vehicle."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{truck(1),constructionMachine(2),semiTrailerHeavy(3),semiTr
  ailerShippingContainerClassified(4),semiTrailerShippingContainer(5),semiTrailerVanT
  ype(6),semiTrailerTankType(7),semiTrailerTopType(8),semiTrailerContainer(9),semiTr
  ailerCarCarrier(10),semiTrailerOtherType(11),poleTrailer(12),fullTrailer(13),doublesTr
  ailer(14),newSpecificationVehicle(15),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckVehicleWidthApplication RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehiclewidthapplication"
  Asn1Name            "specialtruckVehicleWidthApplication"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Width of a vehicle (tractor and trailer with cargo) entered on the
application form for permission of passage of a special vehicle by a transporter using the
special vehicle."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(100..300)
  FORMAT              "999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(100..300)in 1cm"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckVehicleHeightApplication RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehicleheightapplication"
  Asn1Name            "specialtruckVehicleHeightApplication"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Height of a vehicle (tractor and trailer with cargo) entered on the
  application form for permission of passage of a special vehicle by a transporter using the
  special vehicle."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(100..500)
  FORMAT              "999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(100..500)in 1cm"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckVehicleLengthApplication RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehiclelengthapplication"
  Asn1Name            "specialtruckVehicleLengthApplication"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Length of a vehicle (tractor and trailer with cargo) entered on the
application form for permission of passage of a special vehicle by a transporter using the
special vehicle."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(200..2000)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(200..2000)in 1cm"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckGrossWeightApplication RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "grossweightapplication"
  Asn1Name            "specialtruckGrossWeightApplication"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Total weight of vehicle, driver, crew and cargo entered (when the
application is accepted) on the application form for permission of passage of a special
vehicle by a transporter using the special vehicle."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(1..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "kg"
  VALID-VALUE-RULE     "VALUE(1..9999)in 1kg"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckMaximumAxialWeightApplication RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "maximumaxialweightapplication"
  Asn1Name            "specialtruckMaximumAxialWeightApplication"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Maximum value of the axle weight of a vehicle (tractor and trailer
with cargo) entered on the application form for permission of passage of a special vehicle
by a transporter using the special vehicle. The weight is calculated from the formula of
axle weight and superimposed load."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(1..99999)
  FORMAT              "99999"
  UNIT-OF-MEASURE      "kg"
  VALID-VALUE-RULE     "VALUE(1..99999)in 1kg"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

specialtruckAdjointingAxialWeightApplication RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "adjointingaxialweightapplication"
  Asn1Name            "specialtruckAdjointingAxialWeightApplication"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Sum of axle weights of adjacent wheel bases of a vehicle (tractor and
trailer with cargo) entered on the application form for permission of passage of a special
vehicle by a transporter using the special vehicle. The weight is calculated from the
formula of axle weight and superimposed load."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(1..99999)
  FORMAT              "99999"
  UNIT-OF-MEASURE     "kg"
  VALID-VALUE-RULE    "VALUE(1..99999)in 1kg"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckCargoNameApplication RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "cargonameapplication"
  Asn1Name            "specialtruckCargoNameApplication"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Cargo name entered on the application form for permission of passage
of a special vehicle by a transporter using the special vehicle."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{truckCrane(101),constructionMachineExceptTruckCrane(102
),bus(103),dumpTruckForOffRoad(104),powerSourceVehicle(105),vehicleBody(106),vehi
cleOthers(107),constructionMachine(201),carForPersonalUse(202),powerSourceVehicle
Body(203),vehicleOnTruckTrailerOthers(204),shippingContainerBox(301),shippingCont
ainerTank(302),container(303),jRContainer(304),steelBridgeGirder(401),steelPipe(402),
steelPlate(403),rail(404),shapedSteelHShapedAluminiumSteel(405),heavyPlateCopper
Aluminium(406),coilsSteelAluminium(407),copperProductOthersCopperContainerCast
IronProduct(408),concreteBridgeGirder(501),concreteStake(502),prefabricatedHousePa
rts(503),utilityPole(504),boxCulvert(505),fumePipe(506),concreteProductOthers(507),in
dustrialMachinePlantMachineMachineToolMetalWorkingMachineMachineFrame(601)
maintenanceMachine(602),rotationFurnace(603),rotaryFurnactOthersTankWeldingMa
chine(604),volatileOilPetrolLightOilParaffin(701),liquefiedProductLPGasHydrogenOxy
gen(702),petrochemicalProductOthersPhenolPolyestersPetrochemicalProducts(703),gen
erator(801),transformer(802),pump(803),airBlower(804),wireCableDrum(805),househol
dElectricalProducts(806),electricProductsOthers(807),timber(901),woodenProducts(902
),trees(903),woodOthers(904),farmProducts(1001),marineProducts(1002),feed(1003),foo
dOthers(1004),generalGoods(1101),cement(1102),rollPaper(1103),othersOthers(1104),in
validData(9999)}
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(101..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckCargoWidthApplication RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "cargowidthapplication"
  Asn1Name            "specialtruckCargoWidthApplication"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Width of cargo entered on the application form for permission of
passage of a special vehicle by a transporter using the special vehicle."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(1..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(1..9999)in 1cm"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckCargoHeightApplication RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "cargoheightapplication"
  Asn1Name            "specialtruckCargoHeightApplication"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Height of cargo entered on the application form for permission of
passage of a special vehicle by a transporter using the special vehicle."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(1..9999)
  FORMAT               "9999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(1..9999)in 1cm"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckCargoLengthApplication RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "cargolengthapplication"
  Asn1Name            "specialtruckCargoLengthApplication"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Length of cargo entered on the application form for permission of
passage of a special vehicle by a transporter using the special vehicle."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(1..99999)
  FORMAT              "99999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(1..99999)in 1cm"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckPermissionCondition RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "permissioncondition"
  Asn1Name            "specialtruckPermissionCondition"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Permission terms entered (when the application is accepted) on the
form for permission of passage of a special vehicle by the road administrator."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..256))
  FORMAT              "—"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckPermissionNumber RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "permissionnumber"
  Asn1Name            "specialtruckPermissionNumber"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Permission number entered (when the application is accepted) on the
form for permission of passage of a special vehicle by the road administrator."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9999)"
  DATA-QUALTY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckVehicleTypePermission RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehicletypepermission"
  Asn1Name            "specialtruckVehicleTypePermission"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Vehicle type of a special vehicle entered (when the application is
accepted) on the form for permission of passage of the special vehicle by the road
administrator."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{truck(1),constructionMachine(2),semiTrailerHeavy(3),semiTr
ailerShippingContainerClassified(4),semiTrailerShippingContainer(5),semiTrailerVanT
ype(6),semiTrailerTankType(7),semiTrailerTopType(8),semiTrailerContainer(9),semiTr
ailerCarCarrier(10),semiTrailerOtherType(11),poleTrailer(12),fullTrailer(13),doublesTr
ailer(14),newSpecificationVehicle(15),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

specialtruckVehicleWidthPermission RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehiclewidthpermission"
  Asn1Name            "specialtruckVehicleWidthPermission"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Width of a vehicle (tractor and trailer with cargo) entered (when the
                        application is accepted) on the form for permission of passage of a special vehicle by the
                        road administrator."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(100..300)
  FORMAT              "999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(100..300)in 1cm"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckVehicleHeightPermission RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehicleheightpermission"
  Asn1Name            "specialtruckVehicleHeightPermission"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Height of a vehicle (tractor and trailer with cargo) entered (when the
                        application is accepted) on the form for permission of passage of a special vehicle by the
                        road administrator."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(100..500)
  FORMAT              "999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(100..500)in 1cm"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckVehicleLengthPermission RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehiclelengthpermission"
  Asn1Name            "specialtruckVehicleLengthPermission"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Length of a vehicle (tractor and trailer with cargo) entered (when the
                        application is accepted) on the form for permission of passage of a special vehicle by the
                        road administrator."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(200..2000)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(200..2000)in 1cm"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckGrossWeightPermission RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "grossweightpermission"
  Asn1Name            "specialtruckGrossWeightPermission"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Total weight of vehicle, driver, crew and cargo entered (when the
                        application is accepted) on the application form for permission of passage of a special
                        vehicle by a transporter using the special vehicle."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(1..9999)
  FORMAT               "9999"
  UNIT-OF-MEASURE      "kg"
  VALID-VALUE-RULE     "VALUE(1..9999)in 1kg"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckMaximumAxialWeightPermission RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "maximumaxialweightpermission"
  Asn1Name            "specialtruckMaximumAxialWeightPermission"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Maximum value of the axle weight of a vehicle entered (when the
                        application is accepted) on the form for permission of passage of a special vehicle by the
                        road administrator. The weight is calculated from the formula of axle weight and
                        superimposed load."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(1..99999)
  FORMAT              "99999"
  UNIT-OF-MEASURE      "kg"
  VALID-VALUE-RULE     "VALUE(1..99999)in 1kg"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckAdjointingAxialWeightPermission RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "adjointingaxialweightpermission"
  Asn1Name            "specialtruckAdjointingAxialWeightPermission"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Sum of axle weights of adjacent wheel bases of a vehicle (tractor and
trailer with cargo) entered (when the application is accepted) on the form for permission
of passage of a special vehicle by the road administrator."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(1..99999)
  FORMAT               "99999"
  UNIT-OF-MEASURE      "kg"
  VALID-VALUE-RULE     "VALUE(1..99999)in 1kg"
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

specialtruckCargoNamePermission RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "cargonamepermission"
  Asn1Name            "specialtruckCargoNamePermission"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Cargo name entered (when the application is accepted) on the form
for permission of passage of a special vehicle by the road administrator."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{truckCrane(101),constructionMachineExceptTruckCrane(102
),bus(103),dumpTruckForOffRoad(104),powerSourceVehicle(105),vehicleBody(106),vehic
leOthers(107),constructionMachine(201),carForPersonalUse(202),powerSourceVehicle
Body(203),vehicleOnTruckTrailerOthers(204),shippingContainerBox(301),shippingCont
ainerTank(302),container(303),jRContainer(304),steelBridgeGirder(401),steelPipe(402),
steelPlate(403),rail(404),shapedSteelHShapedAluminiumSteel(405),heavyPlateCopper
Aluminium(406),coilsSteelAluminium(407),copperProductOthersCopperContainerCast
IronProduct(408),concreteBridgeGirder(501),concreteStake(502),prefabricatedHousePa
rts(503),utilityPole(504),boxCulvert(505),fumePipe(506),concreteProductOthers(507),in
dustrialMachinePlantMachineMachineToolMetalWorkingMachineMachineFrame(601)
maintenanceMachine(602),rotationFurnace(603),rotaryFurnactOthersTankWeldingMa
chine(604),volatileOilPetrolLightOilParaffin(701),liquefiedProductLPGasHydrogenOxy
gen(702),petrochemicalProductOthersPhenolPolyestersPetrochemicalProducts(703),gen
erator(801),transformer(802),pump(803),airBlower(804),wireCableDrum(805),househol
dElectricalProducts(806),electricProductsOthers(807),timber(901),woodenProducts(902
),trees(903),woodOthers(904),farmProducts(1001),marineProducts(1002),feed(1003),foo
dOthers(1004),generalGoods(1101),cement(1102),rollPaper(1103),othersOthers(1104),in
validData(9999)}
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(101..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

specialtruckCargoWidthPermission RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "cargowidthpermission"
  Asn1Name            "specialtruckCargoWidthPermission"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Width of cargo entered (when the application is accepted) on the form
for permission of passage of a special vehicle by the road administrator."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(1..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(1..9999)in 1cm"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```


specialtruckCargoHeightPermission RCS-DATA-ELEMENT::=

{

DESCRIPTIVE-NAME "cargoheightpermission"

Asn1Name "specialtruckCargoHeightPermission"

ASN-OBJECT IDENTIFIER { }

DEFINITION "The height of cargo to be described in the passage permission application form for special vehicles when a road administrator issues passage permission for a special vehicle."

DESCRIPTIVE-NAME-CONTEXT { }

DATE-CONCEPT-TYPE data-element

STANDARD "Road Communication Standard"

DATATYPE INTEGER(1..9999)

FORMAT "9999"

UNIT-OF-MEASURE "cm"

VALID-VALUE-RULE "VALUE(1..9999)in 1cm"

DATA-QUALITY

REGISTRATION-STATUS recorded

}

```

specialtruckCargoLengthPermission RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "cargolengthpermission"
  Asn1Name            "specialtruckCargoLengthPermission"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The length of cargo to be described in the passage permission
  application form for special vehicles when a road administrator issues  passage
  permission for a special vehicle."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(1..99999)
  FORMAT              "99999"
  UNIT-OF-MEASURE      "cm"
  VALID-VALUE-RULE     "VALUE(1..99999)in 1cm"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

--Indicate the Administrative Data Dictionary data element module
organizationAgencyCode RCS-DATA-ELEMENT::=
{
    DESCRIPTIVE-NAME    "agencycode"
    Asn1Name            "organizationAgencyCode"
    ASN-OBJECT IDENTIFIER { }
    DEFINITION          "Classification of road administrator."
    DESCRIPTIVE-NAME-CONTEXT { }
    DATE-CONCEPT-TYPE data-element
    STANDARD             "Road Communication Standard"
    DATATYPE
        ENUMERATED{jh(10),jhe(11),jhc(12),jhw(13),mex(20),hex(30),police(40),hons
        hi(50),mlit(60),kosha(70),jichitai(80),invalidData(98),other(99)}
    FORMAT              "99"
    UNIT-OF-MEASURE
    VALID-VALUE-RULE    "VALUE(10..99)"
    DATA-QUALITY
    REGISTRATION-STATUS      recorded
}

```

```

organizationOrganizationCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "organizationcode"
  Asn1Name            "organizationOrganizationCode"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Classification by organization of road administrator."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(5))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

organizationBureauCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "bureaucode"
  Asn1Name            "organizationBureauCode"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Office code of road administrator."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             UTF8String(size(0..20))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

organizationVehicleBureauCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vehiclebureaucode"
  Asn1Name            "organizationVehicleBureauCode"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of transportation administration bureau of the
ministry of transport."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{sapporo(1),hakodate(2),muroran(3),obihiro(4),kushiro(5),kita
mi(6),asahikawa(7),miyagi(101),fukushima(102),iwaki(103),iwate(104),aomori(105),hac
hinohe(106),yamagata(107),syounai(108),akita(109),shinagawa(201),adachi(202),nerim
a(203),tama(204),hachioji(205),yokohama(206),sagami(207),kawasaki(208),shonan(209)
,chiba(210),narashino(211),sodegaura(212),omiya(213),kumagaya(214),tokorozawa(215)
,mito(216),tsuchiura(217),gunma(218),tochigi(219),yamanashi(220),nagano(221),matsu
moto(222),kasukabe(223),niigata(301),nagaoka(302),ishikawa(303),toyama(304),shizuo
ka(401),hamamatsu(402),numazu(403),gifu(404),mie(405),nagoya(406),mikawa(407),ow
ariKomaki(408),toyohashi(409),fukui(501),osaka(502),izumi(503),kyoto(504),kobe(505),
himeji(506),shiga(507),nara(508),wakayama(509),naniwa(510),hiroshima(601),tottori(6
02),shimane(603),okayama(604),yamaguchi(605),fukuyama(606),kagawa(701),tokushi
ma(702),ehime(703),kochi(704),fukuoka(801),kitakyushu(802),kurume(803),chikuho(80
4),saga(805),nagasaki(806),sasebo(807),shimabara(808),kumamoto(809),oita(810),miya
zaki(811),kagoshima(812),oshima(813),naha(901),miyako(902),yaeyama(903),dummyN
umber(998),invalidData(999)}
  FORMAT              "999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

organizationAgencyName RCS-DATA-ELEMENT::=
{
    DESCRIPTIVE-NAME    "agencyname"
    Asn1Name            "organizationAgencyName"
    ASN-OBJECT IDENTIFER { }
    DEFINITION          "Name of road administrator."
    DESCRIPTIVE-NAME-CONTEXT { }
    DATE-CONCEPT-TYPE data-element
    STANDARD             "Road Communication Standard"
    DATATYPE             UTF8String(size(20))
    FORMAT
    UNIT-OF-MEASURE
    VALID-VALUE-RULE
    DATA-QUALITY
    REGISTRATION-STATUS      recorded
}

```



```

organizationBureauName RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "bureauname"
  Asn1Name            "organizationBureauName"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Office name of road administrator."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(20))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

organizationDivisionCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "divisioncode"
  Asn1Name            "organizationDivisionCode"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Classification code for department of road administrator."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER (0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

organizationDivisionName RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "divisionname"
  Asn1Name            "organizationDivisionName"
  ASN-OBJECT IDENTIFER {}
  DEFINITION          "Name of division of road administrator."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             UTF8String(size(20))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

organizationPersonName RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "personname"
  Asn1Name            "organizationPersonName"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Name of official in charge."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(20))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

organizationAddress RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "address"
  Asn1Name            "organizationAddress"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Address of the organization and official in charge."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(40))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

organizationTelNum RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "telnum"
  Asn1Name            "organizationTelNum"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Telephone number of the organization and official in charge."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(20))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

organizationFaxNum RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "faxnum"
  Asn1Name            "organizationFaxNum"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Fax number of the organization and official in charge."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(20))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

organizationEmail RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "email"
  Asn1Name            "organizationEmail"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "E-mail address of the organization and official in charge."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            OCTET STRING(size(0..256))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

organizationWeatherOrganizationCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "weatherorganizationcode"
  Asn1Name            "organizationWeatherOrganizationCode"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Name of meteorological observatory station."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{districtMeteorologicalObservatory(1),marineObservatory(2),l
ocalMeteorologicalObservatory(3),specifiedLocalMeteorologicalStation(4),aviationMete
orologicalStation(5),localMeteorologicalStationEstablishedToAviation(6),branchOfficeO
fAirPort(7),radarObservationStation(8),publicMeteorologicalDivision(9),publicMeteorol
ogicalDivision(10),airportMeteorologicalRadar(11),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

organizationOrganizationName RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "organizationname"
  Asn1Name            "organizationOrganizationName"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "The name of the organization of the road Road Administration are
given."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(40))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

organizationRoadAdministrationInsideIdentifierNum RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "roadadministrationinsideidentifiernum"
  Asn1Name            "organizationRoadAdministrationInsideIdentifierNum"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "The data wherein identifiers for organizations or departments in the
  Road Administration entity are given."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT               "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0.. 9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

deviceManagementNumber RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "devicemanagementnumber"
  Asn1Name            "deviceManagementNumber"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Classification code for devices in a system."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             UTF8String(size(0..10))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

deviceSubMagagementNumber RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "devicesubmagagementnumber"
  Asn1Name            "deviceSubMagagementNumber"
  ASN-OBJECT IDENTIFER {}
  DEFINITION          "Sub-classification for devices."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            UTF8String(size(0..10))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

deviceMachineType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "devicemachinetype"
  Asn1Name            "deviceMachineType"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Classification of devices."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{loopCoilTypeTrafficMeasurementEquipment(201),ultrasonicT
rafficDensityMeasuringEquipment(202),weatherVane(203),textSignboard(301),graphic
Signboard(302),invalidDate(9999)}
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(201..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

deviceStatus RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "devicestatus"
  Asn1Name            "deviceStatus"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates the equipment conditions"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{oK(0),ultrasonicAbnormal(1),loopAbnormal(2),laserAbnormal
(3),imageAbnormal(4), processingUnitAbnormal(5),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

deviceCollectedDataStatus RCS-DATA-ELEMENT::=
{
    DESCRIPTIVE-NAME    "devicecollecteddatastatus"
    Asn1Name            "deviceCollectedDataStatus"
    ASN-OBJECT IDENTIFIER { }
    DEFINITION          "Indicates the state of the collected data."
    DESCRIPTIVE-NAME-CONTEXT { }
    DATE-CONCEPT-TYPE data-element
    STANDARD             "Road Communication Standard"
    DATATYPE
        ENUMERATED{detailUnknown(0),normal(1),extraordinary(2),invalidData(9)}
    FORMAT              "9"
    UNIT-OF-MEASURE
    VALID-VALUE-RULE    "VALUE(0..9)"
    DATA-QUALITY
    REGISTRATION-STATUS      recorded
}

```



```

deviceInformationManagementNumber RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "deviceinformationmanagementnumber"
  Asn1Name            "deviceInformationManagementNumber"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Indicates an identification number to manage information."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..9999)
  FORMAT               "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

deviceSecurityInfo RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "devicesecurityinfo"
  Asn1Name            "deviceSecurityInfo"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The operator of an individual system examines and set the code
algorithm and the key version, etc."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            BIT STRING
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

relationLinkageIdentifier RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "linkageidentifier"
  Asn1Name            "relationLinkageIdentifier"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The data wherein, in order to identify the relationship between
  respective data sets that are independently transmitted, numbers to identify such
  relationships are affixed at the end of the respective data sets."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0.. 99999)
  FORMAT              "99999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

relationEventIdentifier RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "eventidentifier"
  Asn1Name            "relationEventIdentifier"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "The data wherein serial numbers are affixed to respective events so
that the relationships over all stages of the occurrence, renewal, and completion of an
event can be identified."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(1.. 2147483647)
  FORMAT               "99999999999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(00000000001..2147483647)"
  DATA-QUALITY
  REGISTRATION-STATUS  recorded
}

```

```

relationRelationType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "relationtype"
  Asn1Name            "relationRelationType"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates the relevancy with the related matters in conformity with
  relevancy description codes."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{detailUnknown(0),cause(1),effect(2),concurrent(3),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

--Indicate the Device Control Data Dictionary data element module
tcDevPowerStatus RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "powerstatus"
  Asn1Name            "tcDevPowerStatus"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The status of supplying the power."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{powerSupplyOK(0),powerSupplyBroken(1),voltageFall(2),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

informationBoardVMSStatus RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vmsstatus"
  Asn1Name            "informationBoardVMSStatus"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The status of the changeable information board is shown.
  BIT0:operating  BIT1:communication crowding  BIT2:breaking down
  BIT3:examining  BIT4:changing  BIT5:turning on the heater  BIT6:adjusting
  BIT7:litig  BIT8:avoiding the text(The registration character cannot be used.)
  BIT9:executing the unit pass(The file that the passing registration is done is being used
  beforehand.)  BIT10:A/D sampling is stopping(Conversion from an analog signal to a
  digital signal is being stopped.)"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE  data-element
  STANDARD              "Road Communication Standard"
  DATATYPE              BITSTRING
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS    recorded
}

```



```

informationBoardVMSTroubleDetails RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vmstroubledetails"
  Asn1Name            "informationBoardVMSTroubleDetails"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Details BIT0:fixed voltage alarm  BIT1:sarmo sensor ararm
  BIT2:siren alarm  BIT3:heater breaker alarm  BIT4:other alarm  BIT5:I/F12V tap
  out  BIT6:photo sensor is abnormal  BIT7:Lighting rate over BIT8:Display unit
  breakdown BIT9:adjustingboard breakdown  BIT10:fixed voltage power supply watch
  breakdown"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE  data-element
  STANDARD              "Road Communication Standard"
  DATATYPE              BitString
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

informationBoardVMSTransmissionJamDetails RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vmstransmissionjamdetails"
  Asn1Name            "informationBoardVMSTransmissionJamDetails"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Details BIT0:Character number excess  BIT1:character code is
  abnormal  BIT2:uncompression is abnormality BIT3:The symbol number is abnormal"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE  data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             BitString
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

informationBoardVMSWrongPointDetails RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "vmswrongpointdetails"
  Asn1Name            "informationBoardVMSWrongPointDetails"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "Details  BIT0 : Acpower supply is abnormal  BIT1 : 2.6V power
supply is abnormal  BIT2 : 5.5V  power supply is abnormal  BIT3 : 6.2V power supply
is abnormal  BIT4 : +12Vpower supply is abnormal  BIT5 : -12Vpower supply is
abnormal  BIT6 : temperature is abnormal  BIT7 : line is abnormal"
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            BitString
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

investDefinitionOperationType RCS-DATA-ELEMENT::=
{
    DESCRIPTIVE-NAME    "operationtype"
    Asn1Name            "investDefinitionOperationType"
    ASN-OBJECT IDENTIFIER { }
    DEFINITION          "One of set content of operation time spent to update operation
definition information in collection system device."
    DESCRIPTIVE-NAME-CONTEXT { }
    DATE-CONCEPT-TYPE data-element
    STANDARD            "Road Communication Standard"
    DATATYPE
        ENUMERATED{regularOperation(101),givenPeriodOperation(201),eventDrive
nOperation(301),stop(401),invalidData(999)}
    FORMAT              "999"
    UNIT-OF-MEASURE
    VALID-VALUE-RULE    "VALUE(101..999)"
    DATA-QUALITY
    REGISTRATION-STATUS      recorded
}

```

```

investDefinitionTransmitInterval RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "transmitinterval"
  Asn1Name            "investDefinitionTransmitInterval"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "It is information used to update operation definition information in
the collection system device."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{notSetUp(101),oneSecond(201),fiveSeconds(202),tenSeconds(
203),thirtySeconds(204),oneMinute(205),fiveMinutes(206),tenMinutes(207),thirtyMinu
tes(208),onehour(209),twelvehours(210),twentyFourhours(211),eventDriven(301),notTr
ansmitted(401),invalidData(999)}
  FORMAT              "999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(101..999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

investDefinitionTransmitAddress RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "transmitaddress"
  Asn1Name            "investDefinitionTransmitAddress"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "It is information used to update operation definition information in
the collection system device."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{higherEquipment(101),otherRoadsideEquipment(201),onBoar
dEquipment(301),invalidData(999)}
  FORMAT              "999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(101..999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

investDefinitionPriorityCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "prioritycode"
  Asn1Name            "investDefinitionPriorityCode"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "It is information used to update operation definition information in
the collection system device."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{notSetUp(101),highestPriorityProcessingInterrupted(201),highestPriorityProcessingCompleted(202),priority2(203),priority3(204),priority4(205),priority5(206),priority6(207),priority7(208),priority8(209),priority9(210),priority10(211),invalidData(999)}
  FORMAT              "999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(101..999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

investDefinitionStoreType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "storetype"
  Asn1Name            "investDefinitionStoreType"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "It is information used to update operation definition information in
the collection system device.
There are two kinds of the mode. Endless mode:If storage capacity is filled, the oldest
data will be overwritten and it will record on it. One time mode:If storage capacity is
filled, record will be stopped automatically.."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE  data-element
  STANDARD              "Road Communication Standard"
  DATATYPE
      ENUMERATED{endlessMode(101),oneTimeMode(102),invalidData(999)}
  FORMAT              "999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(101..999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

investDefinitionStoreTerm RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "storeterm"
  Asn1Name            "investDefinitionStoreTerm"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "It is information used to update operation definition information in
the collection system device.
The accumulated period is indicated.
The unit of time is shown by using DE in information DS of the date."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

investDefinitionEventType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "eventtype"
  Asn1Name            "investDefinitionEventType"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Information which composes message for update of operation
definition information on offer system device."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{alertForEarthquake(101),trafficRegulation(102),trafficJam(1
03),accident(104),fire(105),disaster(106),brokenDownCar(107),obstacleOnTheRoad(108)
,construction(109),weather(110),invalidData(9999)}
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(101..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

investDefinitionEventDetailsLevel RCS-DATA-ELEMENT::=
{
    DESCRIPTIVE-NAME    "eventdetailslevel"
    Asn1Name            "investDefinitionEventDetailsLevel"
    ASN-OBJECT IDENTIFIER { }
    DEFINITION          "Information which composes message for update of operation
definition information on offer system device."
    DESCRIPTIVE-NAME-CONTEXT { }
    DATE-CONCEPT-TYPE data-element
    STANDARD             "Road Communication Standard"
    DATATYPE
        ENUMERATED{closedToTraffic(201),chainRestriction(202),speedLimit80kmP
erHour(203),speedLimit70kmPerHour(204),speedLimit60kmPerHour(205),speedLimit5
0kmPerHour(206),speedLimit40kmPerHour(207),laneRegulation(208),under5kmPerHo
ur(301),fiveTo10kmPerHour(302),tenTo20kmPerHour(303),over20kmPerHour(304),inv
alidData(9999)}
    FORMAT              "9999"
    UNIT-OF-MEASURE
    VALID-VALUE-RULE    "VALUE(201..9999)"
    DATA-QUALITY
    REGISTRATION-STATUS      recorded
}

```

```

investDefinitionRelationLocation RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "relationlocation"
  Asn1Name            "investDefinitionRelationLocation"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Information which composes message for update of operation
definition information on offer system device."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{involved(1),close(2),oneIC(101),twoIC(102),threeIC(103),fourI
C(104),invalidData(9999)}
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(1..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

investDefinitionSpecialDayType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "specialdaytype"
  Asn1Name            "investDefinitionSpecialDayType"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Information which composes message for update of operation
definition information on offer system device."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{Monday(101),Tuesday(102),Wednesday(103),Thursday(104),F
riday(105),Saturday(106),Sunday(107),firstThreeDaysOfTheNewYear(201),goldenWeek
(202),invalidData(9999)}
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(101..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

investDefinitionTargetInfosJudgementFlag RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "targetinfosjudgementflag"
  Asn1Name            "investDefinitionTargetInfosJudgementFlag"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Information which composes message for update of operation
definition information on offer system device.
The judgment result whether it is information that obtained information is offered for a
terminal concerned is shown."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            ENUMERATED{off(100),on(101),invalidData(9999)}
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(100..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

investDefinitionBasedPointRate RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "basedpointrate"
  Asn1Name            "investDefinitionBasedPointRate"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Information which composes message for update of operation
  definition information on offer system device.
  Coefficient multiplied by basic point"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            REAL
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

investDefinitionDistanceRate RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "distancerate"
  Asn1Name            "investDefinitionDistanceRate"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Information which composes message for update of operation
definition information on offer system device.
Distance coefficient"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            REAL
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      incomplete
}

```



```

investDefinitionODValueRate RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "odvaluerate"
  Asn1Name            "investDefinitionODValueRate"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Information which composes message for update of operation
  definition information on offer system device.
  OD value(Origin and Destination)"
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             REAL
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      incomplete
}

```

```

investDefinitionSystemCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "systemcode"
  Asn1Name            "investDefinitionSystemCode"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "Information which composes operation definition information on offer
system device.
Identification code which system has in peculiarity.
External refer to the system code system separately provided."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             INTEGER(0..99999)
  FORMAT               "99999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(0..99999)"
  DATA-QUALTY
  REGISTRATION-STATUS   recorded
}

```

```

investDefinitionInformationClassification RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "informationclassification"
  Asn1Name            "investDefinitionInformationClassification"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Information which composes operation definition information on offer
system device."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{eventInformation(101),measurementTrafficVolumeInformatio
n(102),observationWeatherInformation(103),variableInformationIndicatorInformation(
104),invalidData(9999)}
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(101..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

investDefinitionCollectFunctionType RCS-DATA-ELEMENT ::=
{
    DESCRIPTIVE-NAME    "collectfunctiontype"
    Asn1Name            "investDefinitionCollectFunctionType"
    ASN-OBJECT IDENTIFIER {}
    DEFINITION          "The device output port number."
    DESCRIPTIVE-NAME-CONTEXT {}
    DATE-CONCEPT-TYPE data-element
    STANDARD             "Road Communication Standard"
    DATATYPE             ENUMERATED
    FORMAT
    UNIT-OF-MEASURE
    VALID-VALUE-RULE
    DATA-QUALITY
    REGISTRATION-STATUS      incomplete
}

```

```

investDefinitionCollectCycle RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "collectcycle"
  Asn1Name            "investDefinitionCollectCycle"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "The device output port number."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{notSetUp(101),oneSecond(201),fiveSeconds(202),tenSeconds(
203),thirtySeconds(204),oneMinute(205),fiveMinutes(206),tenMinutes(207),thirtyMinu
tes(208),oneHour(209),twelveHours(210),twentyFourhours(211),eventDriven(301),notT
ransmitted(401),invalidData(999)}
  FORMAT              "999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(101..999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

investDefinitionOriginLinkNumber RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "originlinknumber"
  Asn1Name            "investDefinitionOriginLinkNumber"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "The device output port number."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             ENUMERATED
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      incomplete
}

```

```

investDefinitionOperationDefineInfoRequestType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "operationdefineinforequesttype"
  Asn1Name            "investDefinitionOperationDefineInfoRequestType"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "The device output port number."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE            BitString
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      incomplete
}

```

```

investDefinitionDestinationLinkNumber RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "destinationlinknumber"
  Asn1Name            "investDefinitionDestinationLinkNumber"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "The device output port number."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             ENUMERATED
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      incomplete
}

```



```

investDefinitionTransmitDataType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "transmitdatatype"
  Asn1Name            "investDefinitionTransmitDataType"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "The device output port number."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             BitString
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      incomplete
}

```

```

deviceControlMaintenanceDataType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "devicecontrolmaintenancedatatype"
  Asn1Name            "deviceControlMaintenanceDataType"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Transmission information on administrative information in collection
system device."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{deviceMonitoringData(101),operationDefiningData(102),invalidData(999)}
  FORMAT              "999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(101..999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

deviceControlCheckCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "devicecontrolcheckcode"
  Asn1Name            "deviceControlCheckCode"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Transmission information on administrative information in collection
system device."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{selfDiagnosisRequest(101),simpleSelfDiagnosisRequest(102),
processingEquipmentDiagnosisRequest(201),sensorDiagnosisRequest(301),circuitDiag
nosisRequest(401),invalidData(999)}
  FORMAT              "999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(101..999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

deviceControlResetCode RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "devicecontrolresetcode"
  Asn1Name            "deviceControlResetCode"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Transmission information on administrative information in collection
system device."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{hardwareReset(101),softwareReset(102),invalidData(999)}
  FORMAT              "999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(101..999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

deviceControlSensorObserveInfo RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "devicecontrolsensorobserveinfo"
  Asn1Name            "deviceControlSensorObserveInfo"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "The device output port number."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             BitString
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      incomplete
}

```

```

deviceControlSensorCheckInfo RCS-DATA-ELEMENT ::=
{
    DESCRIPTIVE-NAME    "devicecontrolsensorcheckinfo"
    Asn1Name            "deviceControlSensorCheckInfo"
    ASN-OBJECT IDENTIFIER {}
    DEFINITION          "The device output port number."
    DESCRIPTIVE-NAME-CONTEXT {}
    DATE-CONCEPT-TYPE data-element
    STANDARD             "Road Communication Standard"
    DATATYPE             BitString
    FORMAT
    UNIT-OF-MEASURE
    VALID-VALUE-RULE
    DATA-QUALITY
    REGISTRATION-STATUS      incomplete
}

```

```

deviceControlCollectFunctionType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "devicecontrolcollectfunctiontype"
  Asn1Name            "deviceControlCollectFunctionType"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "The device output port number."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            ENUMERATED
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      incomplete
}

```

```

deviceControlCollectErrorRange RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "devicecontrolcollecterrorange"
  Asn1Name            "deviceControlCollectErrorRange"
  ASN-OBJECT IDENTIFER { }
  DEFINITION          "The device output port number."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             ENUMERATED
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      incomplete
}

```



```

deviceControlTimeSetComfirm RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "devicecontroltimesetcomfirm"
  Asn1Name            "deviceControlTimeSetComfirm"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The device output port number."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{normal(0),abnormal(1),setUpImpossible(2),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      incomplete
}

```

```

deviceControlTimeSetType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "devicecontroltimesettype"
  Asn1Name            "deviceControlTimeSetType"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The device output port number."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{timeSetUpRequest(0),timeReadingRequest(1),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

deviceControlCollectProcessType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "devicecontrolcollectprocesstype"
  Asn1Name            "deviceControlCollectProcessType"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "The device output port number."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             ENUMERATED
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      incomplete
}

```

```

deviceControlAnswerConfirmInfo RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "rconfirminfo"
  Asn1Name            "deviceControlAnswerConfirmInfo"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "It is shown whether to be able to do a normal response to the data
demand."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            ENUMERATED{normal(0),abnormal(1),uncollected(2),invalidData(9)}
  FORMAT              "9"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

deviceControlAnswerProcessorCheckInfo RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "rprocessorcheckinfo"
  Asn1Name            "deviceControlAnswerProcessorCheckInfo"
  ASN-OBJECT IDENTIFIER {}
  DEFINITION          "The device output port number."
  DESCRIPTIVE-NAME-CONTEXT {}
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            BitString
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      incomplete
}

```

```

deviceStateProcessorObserveInfo RCS-DATA-ELEMENT::=
{
    DESCRIPTIVE-NAME    "processorobserveinfo"
    Asn1Name            "deviceStateProcessorObserveInfo"
    ASN-OBJECT IDENTIFIER {}
    DEFINITION          "The device output port number."
    DESCRIPTIVE-NAME-CONTEXT {}
    DATE-CONCEPT-TYPE data-element
    STANDARD            "Road Communication Standard"
    DATATYPE            BitString
    FORMAT
    UNIT-OF-MEASURE
    VALID-VALUE-RULE
    DATA-QUALITY
    REGISTRATION-STATUS      incomplete
}

```

```

watchInfoDisplayFormat RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "displayformat"
  Asn1Name            "watchInfoDisplayFormat"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Indicates the information which composes information of watch of
offer information on offer system device."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
      ENUMERATED{textIndication(101),figureIndication(102),freePatternIndicati
on(103),staticImageIndication(104),dynamicImageIndication(105),invalidData(9999)}
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(101..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

watchInfoDisplayCharacterContent RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "displaycharactercontent"
  Asn1Name            "watchInfoDisplayCharacterContent"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "It is the information which composes information of watch of offer
information on offer system device.
The content of the display character content display character is assumed to be an
external reference."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             UTF8string(size(0..240))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```



```

watchInfoStateSection RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "statesection"
  Asn1Name            "watchInfoStateSection"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "Information which composes information of watch of offer
information on offer system device."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE
      ENUMERATED{closedToTraffic(101),speedRestriction(102),stagnation(201),tr
afficJam(202),crowded(203),invalidData(9999)}
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE     "VALUE(101..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

watchInfoProvisionInfoDef RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "provisioninfodef"
  Asn1Name            "watchInfoProvisionInfoDef"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The device output port number."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER (0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

watchInfoProvisionInfoDefSub RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "provisioninfodefsub"
  Asn1Name            "watchInfoProvisionInfoDefSub"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The device output port sub number."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE            INTEGER(0..9999)
  FORMAT              "9999"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..9999)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

imageDataFormat RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "at"
  Asn1Name            "imageDataFormat"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The format of the image data that is transmitted by a system."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD            "Road Communication Standard"
  DATATYPE
    ENUMERATED{unknow(0),gif(1),png(2),jpeg(3),jpeg2000(4),tiff(5),bmp(6),pict(7
),pcx(8),invalidData(99)}
  FORMAT              "99"
  UNIT-OF-MEASURE
  VALID-VALUE-RULE    "VALUE(0..99)"
  DATA-QUALITY
  REGISTRATION-STATUS      recorded
}

```

```

imageDataBody RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME      ""
  Asn1Name              "imageDataBody"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION            "The image data that is transmitted by a system."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE  data-element
  STANDARD              "Road Communication Standard"
  DATATYPE              OCTETSTRING(size(0..100000))
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS   recorded
}

```

```

deviceDistinctionCollectSensorType RCS-DATA-ELEMENT::=
{
  DESCRIPTIVE-NAME    "distinctioncollectsensortype"
  Asn1Name            "deviceDistinctionCollectSensorType"
  ASN-OBJECT IDENTIFIER { }
  DEFINITION          "The device output port number."
  DESCRIPTIVE-NAME-CONTEXT { }
  DATE-CONCEPT-TYPE data-element
  STANDARD             "Road Communication Standard"
  DATATYPE             ENUMERATED
  FORMAT
  UNIT-OF-MEASURE
  VALID-VALUE-RULE
  DATA-QUALITY
  REGISTRATION-STATUS      incomplete
}

```

