TECHNICAL SPECIFICATION

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Traffic and travel information — Messages via media independent stationary dissemination systems — Graphic data dictionary for pre-trip and in-trip information dissemination systems

Informations sur le trafic et le tourisme — Messages par systèmes de dissémination stationnaire indépendants du support — Dictionnaire de données graphiques pour les systèmes de dissémination d'informations avant le trajet et durant le trajet

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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ISO 14823 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 278, *Road transport and traffic telematics*, in collaboration with Technical Committee ISO/TC 204, *Intelligent transport systems*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Introduction

This Technical Specification presents a Graphic Data Dictionary (GDD) which has been developed with the intent of creating a common basis for transmitting graphic information data that can be, irrespective of language or regional differences, decoded and understood by the users who obtain TTI (pre-trip and in-trip information) service through TTI system operators such as traffic management centres (TMCs), traffic information centres (TICs) and value-added service providers (VASPs) which add value to the TTI. Adopting unified graphic data is expected to improve the understandability of the graphic information by the user and thereby increase the convenience of TTI systems.

The purpose of GDD is, in order to facilitate the data exchange between media, to catalogue graphic images like traffic signs and pictograms specified and used uniquely in each country and to assign them a certain code.

Elements of Graphic Data

These include:

— full name of the pictogram,

— definition of the pictogram,

— code for the pictogram,

— attribute(s) of the pictogram, and

— pictogram itself.

Normative items in this document are the coding scheme involving the full name, definition and attributes to define each graphic image. It is not intended to create and specify a common design of graphic images.

Application of Graphic Data

Graphic data shall be stored in advance as a database by TTI system operators (such as TMC, TIC etc.), VASP, or in media systems, and then used as a part of TTI for data exchange among these entities. "The GDD" is a database that registers the codes and attributes of a set of graphic data in a systematic manner.

Message Creation

Data elements to be stored in the database of a TIC shall be those created by using TTI collected in the TIC. Similarly, graphic data shall be those coded beforehand and registered into the database. Messages to be dealt with in this Technical Specification are to be generated basically with data elements registered in the database of the TIC.

Traffic and travel information — Messages via media independent stationary dissemination systems — Graphic data dictionary for pre-trip and in-trip information dissemination systems

IMPORTANT — The electronic file of this document contains colours which are considered to be useful for the correct understanding of the document. Users should therefore consider printing this document using a colour printer.

1 Scope

This Technical Specification presents a system of standardized codes for existing signs and pictograms used to deliver traffic and traveller information (TTI). The coding system can be used to form messages to be handled by respective media systems, graphic messages on on-board units, and media system information on TTI dissemination systems (VMS, PC, PAT, etc.) (including graphic data). These types of information are required by travellers for their pre-trip planning as well as their in-trip plan modification based on information obtained through media systems.

As shown in Figure 1, a system handling graphic messages generally comprises TTI system operators, media systems and communication networks interconnecting these systems.

This Technical Specification relates to:

- TTI systems operators which include
  - Traffic Management Centres (TMC),
  - Traffic Information Centres (TIC),
  - Parking Information Centres (PIC),
  - Public Transport Centres (PTC),
  - Value-Added Service Providers (VASP), and
  - others;
- media systems which include
  - On-board Units (OBU),
  - Variable Message Signs (VMS),
  - Personal Computers (PC),
  - Public Access Terminals (PAT), and
  - others.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 9735, *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules*

ISO 3166 (all parts), *Codes for the representation of names of countries and their subdivisions*

CEN prENV/278/8/15 RTTT — *Traffic and Travel Data Dictionary — Part 1: General Definitions, Entities, Attributes*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply

3.1
traffic and traveller information
TTI
generic term for traffic and travel-related information such as road traffic information, transfer information, or public transit information

3.2
traffic information centre
TIC
one of the TTI system operators

NOTE Each TIC is connected to TMC, PIC, PTC and some other TICs to collect and process information generated at each of the said centres. The TIC disseminates information periodically in accordance with procedures as agreed with the corresponding VASP or from time to time on request from the VASP.

3.3
value added service provider
VASP
each VASP requests information from the corresponding TTI system operators in accordance with procedures as agreed with the TTI system operators and stores the received information in its database, then edits/processes and disseminates information requested from users in accordance with appropriate procedures as agreed with any media systems

3.4
traffic management centre
TMC
one of the TTI system operators

NOTE Each TMC manages systems for traffic surveillance and controls by collecting and processing traffic information.

3.5
parking information centre
PIC
one of the TTI system operators

NOTE PIC disseminates information such as the location, capacity, vacancy and other information related to the status of service/parking facilities.

3.6
public transport centre
PTC
one of the TTI system operators

NOTE PTC disseminates information about public transport such as regular routes, travel time, fares and transfer points.

3.7
variable message sign
VMS
one of the TTI display systems

NOTE Each VMS provides travellers with dynamic information by words and possibly with simple graphics.

3.8
on-board unit
OBU
unit fitted in a vehicle to display TTI messages

3.9
personal computer
PC
each PC functions as the man-machine interface for travellers and requests/receives information in accordance with procedures as agreed with the corresponding VASP

NOTE Each PC processes and presents received information according to the purpose of the request.

3.10
public access terminal
PAT
equipment installed in public places (e.g. airport terminals, shopping centres or service areas) to provide ondemand information requested by travellers

3.11
graphic data dictionary
GDD
compilation of all relevant graphic data, such as full names, definitions, and attributes of pictograms

4 System Architecture

A TTI dissemination system to any kind of media system is generally composed of TTI system operators such as TMCs, TICs, PICs and PTCs, VASPs which intervene between each of the TTI system operators, media systems as the end users, and communications networks interconnecting the TTI system operators and media systems. A schematic presentation of the system architecture is given in Figure 1 — TTI Dissemination System Architecture.

4.1 Alpha (α) Interface:

The α (alpha) Interface shall have two functions as a communications interface: one is to exchange data locally among TMCs and TICs, and the other is for a TMC or TIC to collect data from PICs and PTCs.

4.2 Beta (β) Interface:

The β (beta) Interface shall function as a communications interface between each TTI source and a VASP connected with a communications network

4.3 Gamma (γ) Interface:

The γ (gamma) Interface shall function as a communications interface that enables secure and direct dissemination of information to the media system as the end user, as requested by the media system by collecting, processing, and storing the information from TTI system operators.

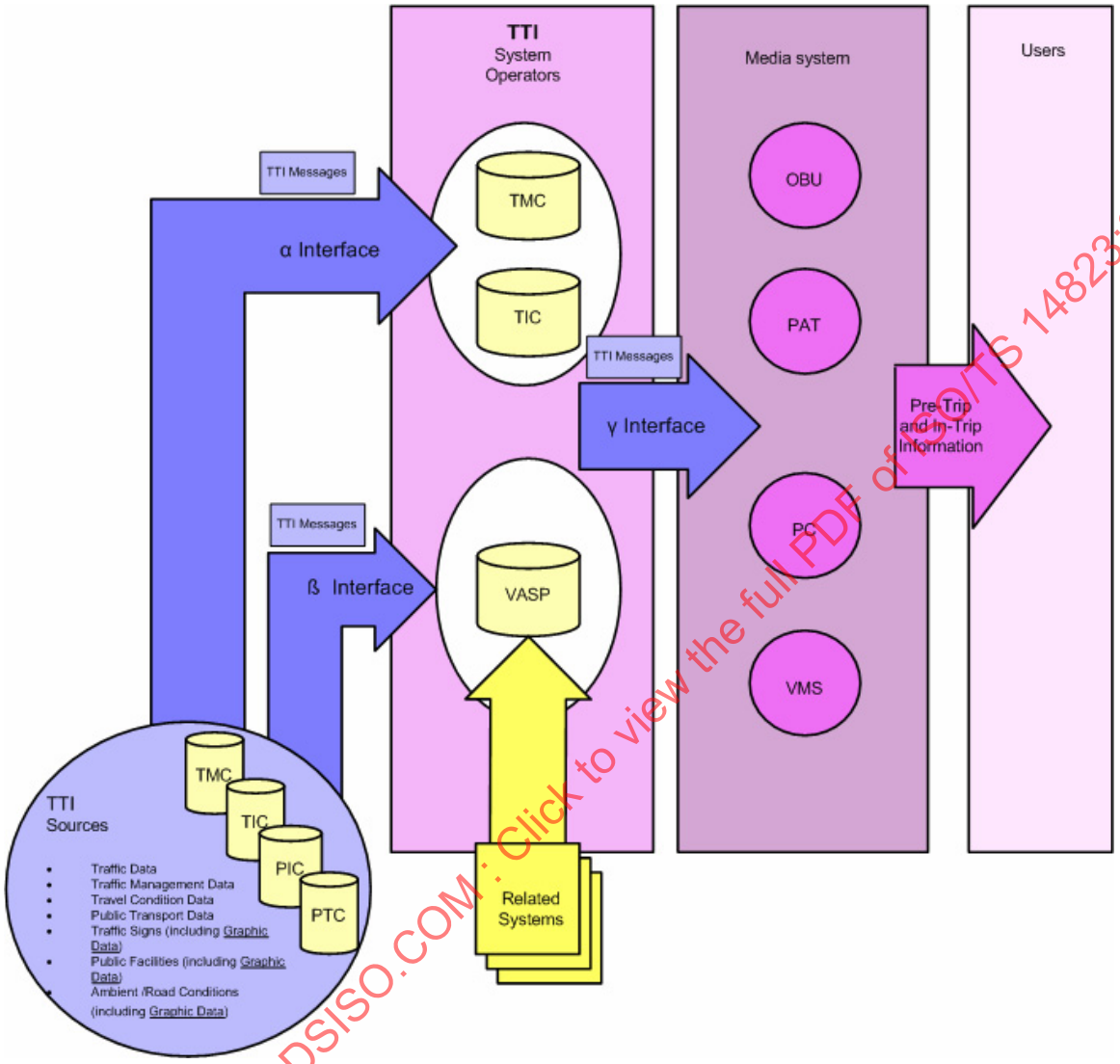


Figure 1 — TTI Dissemination System Architecture

5 Document Structure

This standard is divided into a main part and several appendices. The main part explains the concepts of graphic data information service to the users who need TTI information service, and presents an overview of the user service.

5.1 Main Part

This section provides a structural overview of the GDD (Graphic Data Dictionary).

Graphic Data: There exist graphic data that have been obtained by coding information on traffic signs, public facilities, ambient/road conditions, etc. as a part of TTI messages at TMCs and TICs. The data elements of such information consist of country code, service category code, pictogram category code, and attribute indicator code, organized as communication data.

Section 8 provides Items Subject to Standardisation which are needed to facilitate communications with the users which includes: full names; definitions; attributes; and pictograms which are listed as data to be provided to users.

5.2 Annexes

The Annexes provide examples of configurations and services that fall within the scope of this standard.

The Annexes consist of the following four parts:

5.2.1 Annex A (Normative)

This annex provides pictogram attributes as data elements for traffic sign pictograms in the categories of – warning signs, regulatory signs and guide signs.

5.2.2 Annex B (Informative)

This annex provides relationships among the full name, definition, code, and pictogram designs from U.N. and selected countries.

5.2.3 Annex C (Informative)

This annex provides examples of data coding and the description of attributes for traffic sign pictograms.

5.2.4 Annex D (Normative)

The coding scheme that applies to complex configurations of roadway intersections is presented in this annex as part of the coding system for traffic sign pictograms.

6 Graphic Data Dictionary

6.1 General

The flow of graphic data and the roles of the graphic data dictionary are illustrated in Figure 2 — Flow and Content of Graphic Data in TTI Messages based on Figure 1 — TTI Dissemination System Architecture

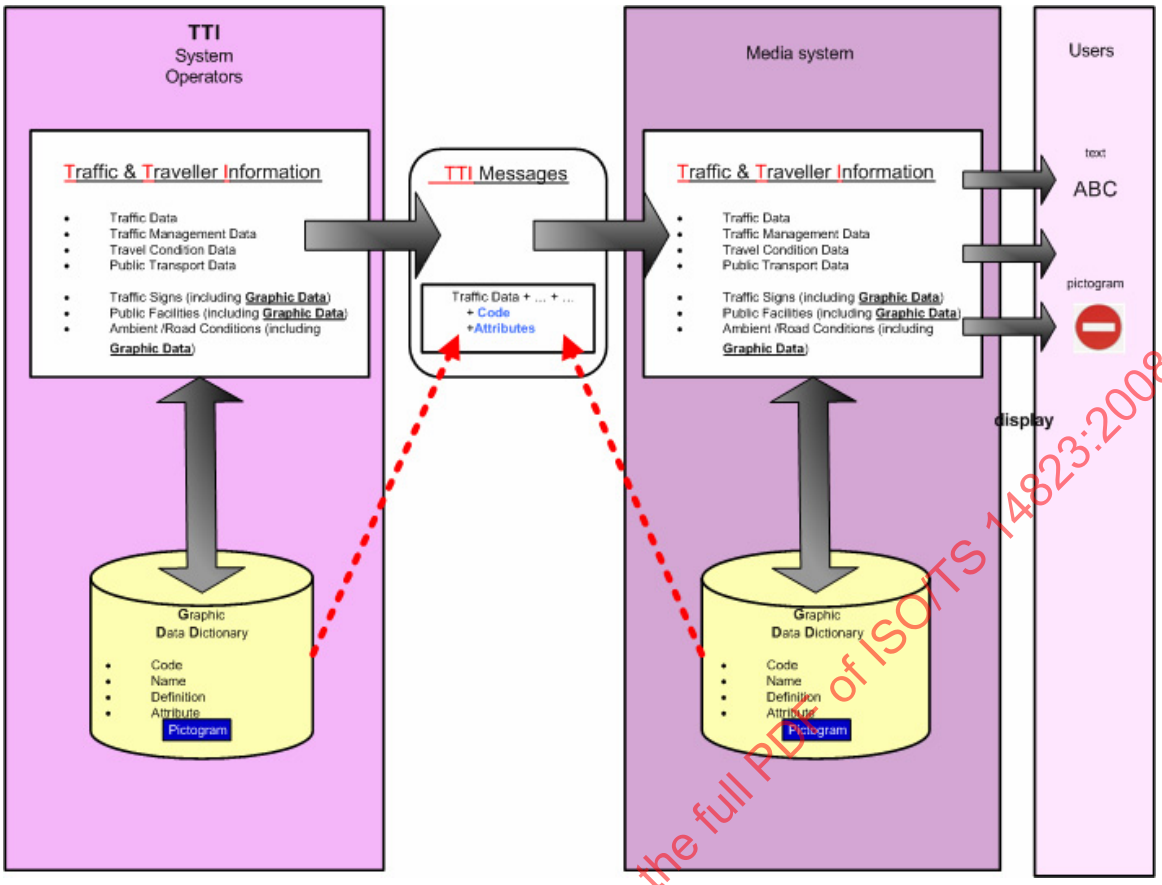


Figure 2 — Flow and Content of Graphic Data in TTI Messages

Graphic data are conveyed as part of TTI messages issued by TMCs or TICs. The graphic information in a TTI message is coded and according to the Graphic Data Dictionary used by both the TTI system operator and media system. Information elements to be prescribed by the Graphic Data Dictionary concern Traffic Sign Information, Public Facilities Information, and Ambient/Road Condition Information as described in Section 7.2. Data elements consist of communication data, including the country code, service category code, pictogram category code and attribute indicator code, and user service data, including full name, definition, attributes, and pictogram itself as described in Section 7.3.

6.2 Information Elements

Information elements (IEs) contained in messages provided by pre-trip and in-trip information services can be broadly divided into these types. This classification conforms to the “Final Act and Related Documents” enacted by the “United Nations Conference on Road Traffic (UNCRT).”

Table 1 — Information Elements

Type of Service (Division)	Subdivision	Nature
1) Traffic Sign Information	a) Danger warning	Warning / Priority sign information
	c) Regulatory	Priority sign information
		Prohibitory or restrictive sign information
		Mandatory / End sign information
	c) Informative	Advance direction sign information
		Direction sign information
		Road/ Place identification sign information
		Confirmatory sign information
		Pedestrian crossing sign information
		Other sign information providing information useful to the drivers of vehicles
		Lane affectation
2) Public Facilities Information	a) Public facilities	Information giving notice of public facilities which may be useful to road users
3) Ambient/Road Condition Information	b) Ambient conditions	Information indicating ambient conditions which may be useful to the drivers of vehicles
	c) Road conditions	Sign information indicating road conditions which may be useful information for drivers of vehicles

The ‘Traffic Sign Information’ is subdivided into three categories, each of which defines information for each traffic sign established in each member country (see Section 7.5.1 ‘Country Code’). Each subcategory may be divided further based on its properties. The Public Facilities Information indicates the existence of certain public facilities and their service details (e.g., toilets, restaurants, first aid facilities, etc.). The “Ambient/ Road Condition Information” is concerned with the ambient condition of a roadway or local condition which may affect the flow of road traffic (such as bad weather and traffic congestion). IEs are all defined with their full names and are provided in the form of pictograms easily recognizable by the users. Pictograms to be used for information display may vary from country to country, from political jurisdiction to political jurisdiction, or from system operator to system operator.

6.3 Data Elements

Used as a “Pictogram Code” when transmitting IEs (described in Section 6.2) as communication data is a combination of the following four Data Elements (DEs): country code data, service category data pictogram category data, and attribute indicator code. When these “Communication Data” (consisting of pictogram code and attributes) are provided to the users, they are served with four components: the unified full name, and definition of a pictogram, details of its attributes if any, and the pictogram itself. They are called User Service Data. The data configuration of the IEs (described in Section 6.2) is as follows:

6.3.1 Communication Data:

Pictogram Code

Country code data	DE 1 (the code number assigned to the country to which the system operator belongs);
Service category data	DE 2 (the code number assigned to the category of IE);
Pictogram category data	DE 3 (the code number assigned to the category of a pictogram type under the service category);
Attribute indicator code data	DE4 (the code number indicating whether any attributes are attached to the pictogram);

Attributes

Attributes	When any attributes are needed for details, one or more of the eight attributes are added.

6.3.2 User Service Data:

Full name

Definition

Attributes

Pictogram

6.4 Data Structure

Each of the four DEs described in Section 6.3 has its own data field. By combining these data fields, the IEs described in Section 6.2 can be represented in various ways. Each data field is coded in units of DEs to create a certain IE. As a rule, every data field in every DE is represented by one integer or one letter. See Section 7.5 for details of the coding rule, and Section 7.7 for the attributes.

The coded data structure is as follows:

	Data Element (DE) 1: Country Code (ISO/3166		**DE 2:** Service Category Code		**DE 3:** Pictogram Category Code			**DE 4:** Attribute Indicator Code
Data Field	X8	X7	X6	X5	X4	X3	X2	X1

6.5 Coding Rules

This section describes the coding rules for storing DEs in a database for the provision of graphic data to the users as accurate information. See 'Table 2.

6.5.1 Data Element 1: Country Code (X8 X7)

The numeric value of each 'Country Code' shall be assigned according to the ISO 3166 (Alpha 2-code country name notation).

Bit length = 16 bits

Value range = X8: A to Z

X7: A to Z

Field	X8	X7
Value & Description	A to Z	A to Z

6.5.2 Data Element 2: Service Category Code (X6 X5)

Bit length = 16 bits

Value range = X6: 1-9

X5: 1-9

Field	X6	X5
	Division Code	**Class Code**
Value & Description	1: Traffic Sign Pictogram	1: Danger Warning
		2: Regulatory
		3: Informative
		4:
	2: Public Facilities Pictogram	1: Public Facilities
		2:
	3: Ambient/Road Condition Pictogram	1: Ambient Condition
		2: Road Condition
	4:	1:

6.5.3 Data Element 3: Pictogram Category Code (X4 X3 X2)

Bit length = 24 bits

Value range = *X4: 1 to 9*

X3: 1 to 9

X2: 1 to 9

Field	X4	X3	X2
	Pictogram Code		
Value & Description	Indicates items to be classified in X5 field by nature: 1 to 9 See Table X 'Code Ordering' for details. Serial number (1 to 9)	Serial number (1 to 9)	Serial number (1 to 9)
Note: For pictograms corresponding to the coded items, see 'Annex B: Graphic Data Dictionary. Pictograms to be displayed actually will vary from country to country (depending on the self-governing system or system operator of the country).			

6.5.4 Data Element 4: Attribute Indicator Code (X1)

Bit length = 8 bit

Value range = 1 or 2

Field	X1
Value & Description	Indicates whether any attributes are attached. 1: Yes 2: No

Table 2 — Code Ordering (without attribute data)

<table>
<tr><td rowspan="2">Data Elements</td><td>X8</td><td>X7</td><td>X6</td><td>X5</td><td>X4</td><td>X3</td><td>X2</td><td>X1</td></tr>
<tr><td colspan="2">Country Code</td><td colspan="2">Service category code</td><td colspan="3">Pictogram category code</td><td>Attribute indicator</td></tr>
<tr><td>Number of bits</td><td colspan="2">2 alphabetic notation (16 bits)</td><td colspan="2">2 alphabetic notation (16 bits)</td><td colspan="3">3 numeric notation (24 bits)</td><td>1 numeric notation (8 bit)</td></tr>
<tr><td>Field</td><td colspan="2"></td><td>Division</td><td>Class</td><td>Nature</td><td></td><td></td><td></td></tr>
<tr><td rowspan="12"></td><td colspan="2" rowspan="12">ISO 3166 - 1993</td><td rowspan="10">1: Traffic Sign Pictogram</td><td>1: Danger Warning</td><td>1-9: Danger warning Priority and nature</td><td colspan="3" rowspan="12">Serial number (1-9)</td><td rowspan="12">Indicates whether any attributes are attached.
1: yes
2: no</td></tr>
<tr><td rowspan="3">2: Regulatory</td><td>1-3: Priority</td></tr>
<tr><td>4-6: Prohibitory or Restrictive</td></tr>
<tr><td>7-9: Mandatory / End</td></tr>
<tr><td rowspan="6">3: Informative</td><td>1-3: Advance direction</td></tr>
<tr><td>4: Direction</td></tr>
<tr><td>5: Place identification</td></tr>
<tr><td>6: Confirmatory</td></tr>
<tr><td>7: pedestrian crossing</td></tr>
<tr><td>8-9: Other providing information useful to the drivers</td></tr>
<tr><td>2: Public Facilities Pictogram</td><td>1: Public Facilities</td><td>1-9: Public facilities & services</td></tr>
<tr><td rowspan="2">3: Ambient / Road Condition Pictogram</td><td>1: Ambient Condition</td><td>1-9: Ambient condition & nature</td></tr>
<tr><td>2: Road Condition</td><td>1-9 Road condition and nature</td></tr>
<tr><td colspan="9">Code No. 00000000 (all zeros) ….. reserved for specific case</td></tr>
</table>

6.6 ASN.1 Description of Pictogram Code

```
TTI-MIB DEFINITIONS ::= BEGIN

        IMPORTS
           Enterprises      FROM RFC1155-MIB
           OBJECT-TYPE      FROM RFC-1212;

TTI Group     OBJECT IDENTIFIER ::= { enterprises 999 }

TTI Data Elements      OBJECT IDENTIFIER ::= { TTI Group 1 }
TTI Attribute Des  OBJECT IDENTIFIER ::= { TTI Group 2 }


--
--  Data Element 1 : Country Code (X8 X7)
--

Country Code     OBJECT-TYPE
    SYNTAX  OCTET STRING (SIZE (2))
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
          "Numeric value of each 'Country Code' shall be assigned according to
           ISO 3166 (Alpha 2-code country name notation.)"
    ::= { TTI Data Elements 1 }


--
--  Data Element 2 : Service Category Code (X6 X5)
--

Service Category    OBJECT-TYPE
    SYNTAX  OCTET STRING (SIZE(2))
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
          "Service category data (the code number assigned to the category of IE)
            '1x'   :   Traffic Sign Pictogram
              '11' :   Danger Warning
              '12' :   Regulatory
              '13' :   Informative
            '2x'   :   Public Facilities Pictogram
              '21' :   Public Facilities
            '3x'   :   Ambient Road Condition Pictogram
              '31' :   Ambient Condition
              '32' :   Road Condition
             "
    ::= { TTI Data Elements 2 }


--
--  Data Element 3 : Pictogram Category Code (X4 X3 X2)
--

Pictogram Category    OBJECT-TYPE
    SYNTAX  OCTET STRING (SIZE(3))
    ACCESS  read-only
    STATUS  mandatory
```

```
    DESCRIPTION
        "Service category data (the code number assigned to the category of IE)
         X4    : The nature of X5: '1'-'9'See Table 1 'Code Ordering' for details.
         X3,X2 : Serial number ('11'-'99')
        For pictograms corresponding to the coded entities, see
        'Annex B: Graphic Data Dictionary.'
        Each country (or autonomous unit, or system operator) will be responsible
        for local specification of pictogram design used for the actual display.
        "
    ::= { TTI Data Elements 3 }


--
--  Data Element 4 : Attribute Indicator Code (X1)
--
--

Attribute Indicator Code    OBJECT-TYPE
    SYNTAX  OCTET STRING (SIZE(1))
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Indicate whether any attributes are attached or not.
         '1': Yes
         '2': No "
    ::= { TTI Data Elements 4 }
```

6.7 Attributes

6.7.1 Attribute Segment

The attribute segment consists of the following data elements:

(Data Element)	(Code)	
— Date/Time/Period	DTM	(7.7.2.1)
— Exemption status of Date/Time/Period	EDT	(7.7.2.2)
— Section	SET	(7.7.2.3
— Number of Lanes	NOL	(7.7.2.4)
— Directional Flow of Lane	DFL	(7.7.2.5)
— Vehicle Dimensions	VED	(7.7.2.6)
— Speed	SPE	(7.7.2.7)
— Rate of Incline	ROI	(7.7.2.8)
— Distance Between Vehicles	DBV	(7.7.2.9)
— Destination/Direction/Distance	DDD	(7.7.2.10)

NOTE Each DE has its own qualifiers carrying coded values.

Attributes defined can be used mainly for Traffic Sign Pictograms. For details, see 'Annex A: List of GDD Attributes':

6.7.2 Data Element

6.7.2.1 DTM (Date/Time/Period)

Definition: Code DTM indicates the date/ time/ period status when the sign is valid and consists of qualifiers on 'Year,' 'Month and Day,' 'Hour and Minute,' 'Day of the week,' and 'Time Limit.' Also, 'Start' and 'End' properties are prepared for all these qualifiers. As for 'Special Month and Day,' only the assigned day is applicable to any regulation. (If needed, it may be followed by the 'Start' and 'End' properties.) These qualifiers must be used in DTM occurrences. Moreover, two or more values may be assigned to each qualifier.

Data Element Code & Full Name	Data Source					
	Qualifier	**Full Name**	**Data Format (Default)**	**Coded Value**	**Unit Code**	**Default Units**
DTM (Date / Time / Period)	SYR	Year (Start)	YYYY	Year: 0-9999	none	none
	EYR	Year (End)	YYYY	Year: 0-9999	none	non
	SMD	Month & Day (Start)	MMDD	Month: 1-12 Day: 1-31 LCL: Local time	none	none
	EMD	Month & Day (End)	MMDD	Month: 1-12 Day: 1-31 LCL: Local time	none	none
	PMD	Special Month & Day	MMDD	Month: 1-12 Day: 1-31 LCL: Local time NAH: National Holiday EVD: Even days ODD: Odd days	none	none
	SHM	Hour & Minute (Start)	HHMM	Hour: 1-23 Minute: 0-59 LCL: Local time	none	none
	EHM	Hour & Minute (End)	HHMM	Hour: 1-23 Minute: 0-59 LCL: Local time	none	none
	SDY	Day of the week (Start)	WWW	Assigned according to 'ISO 8601' 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday	none	none
	EDY	Day of the week (End)	WWW	Assigned according to 'ISO 8601' 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday	none	none
	LHM	Hour & Minute	NNN	Hour Minute	HOR: Hour MIN: Minute	Hour Minute

EXAMPLE

Parking or No Parking with Time Limit'

The left sign indicates that parking is allowed between 8:00 and 20:00 hours for maximum 60 minutes, 'SHM: 8 hours' and 'EHM: 20 hours' give starting and ending times respectively, and 'LHM: 60 minutes gives a time duration. The right sign is that parking is not allowed in the time period indicated. These values are variable according to the change in ambient and/or road conditions. If a special event such as festival or parade is held, date attributes (SYR, SMD, EYR, EMD) are assigned temporally. 'Exclusive Lane Route Bus' and 'Assigned Lane for Trucks' are other examples of the application of DTM. Furthermore, there is a case of plural DTM assignments, such as two time periods of '8-10' and '16-20' for parking.

6.7.2.1.1 ASN.1 Description of DTM

```
--
--  DTM(Date/Time/Period):
--

DTMAttributeTable   OBJECT-TYPE
   SYNTAX  SEQUENCE OF AttrDTMEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
      "Date/Time/Period Group"
   ::= { TTIAttributeDEs 1 }

AttrDTMEntry   OBJECT-TYPE
   SYNTAX  AttrDTMEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
       "Date/Time/Period Entry "
   INDEX   { AttrDTMEntryIndex }
   ::= { DTMAttributeTable 1 }

AttrDTMEntry    ::= SEQUENCE {
            AttrDTMEntryIndex    INTEGER ,
            AttrDTMSYR      INTEGER ,
            AttrDTMEYR      INTEGER ,
            AttrDTMSMD      OCTET STRING ,
            AttrDTMEMD      OCTET STRING ,
            AttrDTMPMD      OCTET STRING ,
            AttrDTMSHM      OCTET STRING ,
            AttrDTMEHM      OCTET STRING ,
            AttrDTMSDY      INTEGER ,
            AttrDTMEDY      INTEGER ,
            AttrDTMLHM      OCTET STRING
            }

AttrDTMEntryIndex   OBJECT-TYPE
   SYNTAX  INTEGER
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
             "INDEX of DTM Entry "
   ::= { AttrDTMEntry 1 }

AttrDTMSYR  OBJECT-TYPE
   SYNTAX  INTEGER ( 0..9999 )
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
       "Year(Start)
        Data Format(Default):YYYY
        year (0-9999) "
   ::= { AttrDTMEntry 2 }

AttrDTMEYR    OBJECT-TYPE
   SYNTAX  INTEGER ( 0..9999 )
   ACCESS  read-only
   STATUS  mandatory
```

```
    DESCRIPTION
        "Year(End)
         Data Format(Default):YYYY
         year (0-9999) "
    ::= { AttrDTMEntry 4 }

AttrDTMSMD    OBJECT-TYPE
    SYNTAX  OCTET STRING
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
         "Month & Day(Start)
          Data Format(Default):MMDD
            Month: 1-12
            Day : 1-31
            LCL  : local time "
    ::= { AttrDTMEntry 6 }

AttrDTMEMD    OBJECT-TYPE
    SYNTAX  OCTET STRING
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Month & Day(End)
         Data Format(Default):MMDD
           Month: 1-12
           Day : 1-31
           LCL  : local time "
    ::= { AttrDTMEntry 8 }

AttrDTMPMD    OBJECT-TYPE
    SYNTAX  OCTET STRING
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
         "Special Month & Day
          Data Format(Default):MMDD
            Month: 1-12
            Day : 1-31
            LCL : Local time
            NAH : National Holiday
            EVD : Even days
            ODD : Odd days "
    ::= { AttrDTMEntry 10 }

AttrDTMSHM    OBJECT-TYPE
    SYNTAX  OCTET STRING
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
         "Hour & Minute(Start)
          Data Format(Default):HHMM
            Hour : 0-23
            Minute : 0-59
            LCL : local time "
    ::= { AttrDTMEntry 12 }

AttrDTMEHM    OBJECT-TYPE
    SYNTAX  OCTET STRING
```

```
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Hour & Minute(End)
         Data Format(Default):HHMM
           Hour : 0-23
           Minute : 0-59
           LCL : local time "
   ::= { AttrDTMEntry 14 }

AttrDTMSDY    OBJECT-TYPE
   SYNTAX    INTEGER {
              Monday(1) ,
              Tuesday(2) ,
              Wednesday(3) ,
              Thursday(4) ,
              Friday(5) ,
              Saturday(6) ,
              Sunday (7)
              }
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Day of the week(Start)
         Data Format(Default):WWW
            Assigned according to 'ISO 8601'
            1: Monday
            2: Tuesday
            3: Wednesday
            4: Thursday
            5: Friday
            6: Saturday
            7: Sunday "
   ::= { AttrDTMEntry 16 }

AttrDTMEDY    OBJECT-TYPE
   SYNTAX    INTEGER {
              Monday(1) ,
              Tuesday(2) ,
              Wednesday(3) ,
              Thursday(4) ,
              Friday(5) ,
              Saturday(6) ,
              Sunday (7)
              }
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Day of the week(End)
         Data Format(Default):WWW
            Assigned according to 'ISO 8601'
            1: Monday
            2: Tuesday
            3: Wednesday
            4: Thursday
            5: Friday
            6: Saturday
            7: Sunday "
   ::= { AttrDTMEntry 18 }
```

```
AttrDTMLHM    OBJECT-TYPE
   SYNTAX  OCTET STRING
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Time Limit (Hour & Minute)
         Data Format(Default):HHMM
           Hour  : 0-23
           Minute: 0-59
           LCL   : local time "
   ::= { AttrDTMEntry 20 }
```

6.7.2.2 EDT (Exemption Status of Date/Time/Period)

Definition: Code EDT indicates the Day/ time/ period status to be exempted when the sign is invalid and contains qualifiers on 'Year,' 'Month and Day,' 'Hour and Minute,' 'Day of the week,' and 'Time Limit.' Also, 'Start' and 'End' properties are prepared for all these qualifiers. As for 'Special Month and Day,' only the assigned day is applicable to any regulation. (If needed, it may be followed by the 'Start' and 'End' properties.) These qualifiers must be used in EDT occurrences. Moreover, two or more values may be assigned to each qualifier.

Data Element Code & Full Name	Data Source					
	Qualifier	**Full Name**	**Data Format (Default)**	**Coded Value**	**Unit Code**	**Default Units**
ETM (Exemption Status of Date/ Time / Period)	SYR	Year (Start)	YYYY	Year: 0-9999	none	none
	EYR	Year (End)	YYYY	Year: 0-9999	none	non
	SMD	Month & Day (Start)	MMDD	Month: 1-12 Day: 1-31 LCL: Local time	none	none
	EMD	Month & Day (End)	MMDD	Month: 1-12 Day: 1-31 LCL: Local time	none	none
	PMD	Special Month & Day	MMDD	Month: 1-12 Day: 1-31 LCL: Local time NAH: National Holiday EVD: Even days ODD: Odd days	none	none
	SHM	Hour & Minute (Start)	HHMM	Hour: 1-23 Minute: 0-59 LCL: Local time	none	none
	EHM	Hour & Minute (End)	HHMM	Hour: 1-23 Minute: 0-59 LCL: Local time	none	none
	SDY	Day of the week (Start)	WWW	Assigned according to 'ISO 8601' 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday	none	none
	EDY	Day of the week (End)	WWW	Assigned according to 'ISO 8601' 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday	none	none
	LHM	Hour & Minute	NNN	Hour Minute	HOR: Hour MIN: Minute	Hour Minute

EXAMPLE

'Parking with Time Limit and Day Exemption'

The sign tells that parking for 60 minutes is allowed between 8:00 to 20:00 hours except for Sundays and holidays, using qualifiers 'SDY' and 'EDY'. Furthermore, there are other cases where two or more values can be assigned to each qualifier, such as 'Exempt on Sunday/Holiday and Saturday' for day-of-the week exemption representation.

6.7.2.2.1 ASN.1 Description of EDT

```
--
--  EDT(Exemption Status of Date/Time/Period):
--

EDTAttributeTable   OBJECT-TYPE
   SYNTAX  SEQUENCE OF AttrEDTEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
      "Exemption Status of Date/Time/Period Group"
   ::= { TTIAttributeDEs 2 }

AttrEDTEntry   OBJECT-TYPE
   SYNTAX  AttrEDTEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
       "Exemption Status of Date/Time/Period Entry "
   INDEX   { AttrEDTEntryIndex }
   ::= { EDTAttributeTable 1 }

AttrEDTEntry    ::= SEQUENCE {
            AttrEDTEntryIndex    INTEGER ,
            AttrEDTSYR      OCTET STRING ,
            AttrEDTEYR      INTEGER ,
            AttrEDTSMD      OCTET STRING ,
            AttrEDTEMD      OCTET STRING ,
            AttrEDTPMD      OCTET STRING ,
            AttrEDTSHM      OCTET STRING ,
            AttrEDTEHM      OCTET STRING ,
            AttrEDTSDY      INTEGER ,
            AttrEDTEDY      INTEGER ,
            AttrEDTLHM      OCTET STRING
            }

AttrEDTEntryIndex   OBJECT-TYPE
   SYNTAX  INTEGER
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
         "INDEX of EDT Entry "
   ::= { AttrEDTEntry 1 }

AttrEDTSYR    OBJECT-TYPE
   SYNTAX  INTEGER ( 0..9999 )
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
       "Year(Start)
        Data Format(Default):YYYY
        year (0-9999) "
   ::= { AttrEDTEntry 2 }

AttrEDTEYR    OBJECT-TYPE
   SYNTAX  INTEGER ( 0..9999 )
   ACCESS  read-only
   STATUS  mandatory
```

```
    DESCRIPTION
        "Year(End)
         Data Format(Default):YYYY
         year (0-9999) "
    ::= { AttrEDTEntry 4 }

AttrEDTSMD    OBJECT-TYPE
    SYNTAX  OCTET STRING
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Month & Day(Start)
         Data Format(Default):MMDD
           Month : 1-12
           Day : 1-31
           LCL  : local time "
    ::= { AttrEDTEntry 6 }

AttrEDTEMD    OBJECT-TYPE
    SYNTAX  OCTET STRING
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Month & Day(End)
         Data Format(Default):MMDD
           Month : 1-12
           Day : 1-31
           LCL  : local time "
    ::= { AttrEDTEntry 8 }

AttrEDTPMD    OBJECT-TYPE
    SYNTAX  OCTET STRING
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Special Month & Day
         Data Format(Default):MMDD
           Month : 1-12
           Day : 1-31
           LCL : local time
           NAH : National Holiday
           EVD : Even days
           ODD : Odd days "
    ::= { AttrEDTEntry 10 }

AttrEDTSHM    OBJECT-TYPE
    SYNTAX  OCTET STRING
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Hour & Minute(Start)
         Data Format(Default):HHMM
           Hour : 0-23
           Minute : 0-59
           LCL : local time "
    ::= { AttrEDTEntry 12 }

AttrEDTEHM    OBJECT-TYPE
    SYNTAX  OCTET STRING
    ACCESS  read-only
```

```
    STATUS  mandatory
    DESCRIPTION
        "Hour & Minute(End)
         Data Format(Default):HHMM
           Hour : 0-23
           Minute : 0-59
           LCL : local time "
    ::= { AttrEDTEntry 14 }

AttrEDTSDY    OBJECT-TYPE
    SYNTAX  INTEGER {
              Monday(1) ,
              Tuesday(2) ,
              Wednesday(3) ,
              Thursday(4) ,
              Friday(5) ,
              Saturday(6) ,
              Sunday (7)
              }
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Day of the week(Start)
         Data Format(Default):WWW
            Assigned according to 'ISO 8601'
            1: Monday
            2: Tuesday
            3: Wednesday
            4: Thursday
            5: Friday
            6: Saturday
            7: Sunday "
    ::= { AttrEDTEntry 16 }

AttrEDTEDY    OBJECT-TYPE
    SYNTAX  INTEGER {
              Monday(1) ,
              Tuesday(2) ,
              Wednesday(3) ,
              Thursday(4) ,
              Friday(5) ,
              Saturday(6) ,
              Sunday (7)
              }
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Day of the week(End)
         Data Format(Default):WWW
            Assigned according to 'ISO 8601'
            1: Monday
            2: Tuesday
            3: Wednesday
            4: Thursday
            5: Friday
            6: Saturday
            7: Sunday "
    ::= { AttrEDTEntry 18 }
```

```
AttrEDTLHM    OBJECT-TYPE
   SYNTAX  OCTET STRING
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Time Limit (Hour & Minute)
         Data Format(Default):HHMM
           Hour : 0-23
           Minute : 0-59
           LCL : local time "
   ::= { AttrEDTEntry 20 }
```

6.7.2.3 SET (Section)

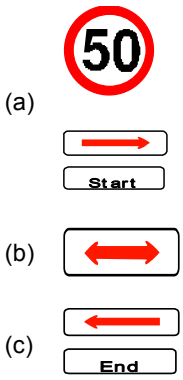
Definition: Code SET indicates a roadway section within which the sign takes effect and contains qualifiers on 'Starting point & Length,' 'Applicable distance & Length,' and 'End point.' These qualifiers must be used in SET occurrences.

Data Element Code & Full Name	Data Source					
	Qualifier	Full Name	Data Format (Default)	Coded Value	Unit Code	Default Units
SET (Section)	SPD	Starting point & Length	NNNN	Length: 1 to 9999 9999 used for only 'Start Point' but no length	KMT: km MTR: m MIL: mile FOT: foot	m
	ADL	Applicable Distance & length	NNNN	Length: 1 to 9999 9999 used for only 'Start Point' but no length	KMT: km MTR: m MIL: mile FOT: foot	m
	EPT	End point				

EXAMPLE

'Mandatory Speed Limitation'

In this case, the pictogram indicates that 50km/hr speed limitation (a) starts from this point as indicated by qualifier 'SPD', (b) is continuously valid as indicated by qualifier 'ADL', and (c) ends at this point as indicated by qualifier 'EPT'. These values are variable according to the change in ambient and/or road conditions. Signs on vehicle limitation, parking zone and beeping zone also need such attributes of code SET. There are other representations, for example: 'Start from here' or 'Start from xxx m ahead' for (a) 'SPD'; 'Continuously valid for xxx m' for (b) 'ADL'. If distance values are specifically added to the representation, they are also variable according to the change in ambient and/or road conditions.



6.7.2.3.1 ASN.1 Description of SET

```
--
--   SET (Section):
--

SETAttributeTable   OBJECT-TYPE
   SYNTAX  SEQUENCE OF AttrSETEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
      "Section Group"
   ::= { TTIAttributeDEs 3 }

AttrSETEntry   OBJECT-TYPE
   SYNTAX  AttrSETEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
        "Section Entry "
   INDEX   { AttrSETEntryIndex }
   ::= { SETAttributeTable 1 }

AttrSETEntry    ::= SEQUENCE {
            AttrSETEntryIndex    INTEGER ,
            AttrSETSPD      INTEGER ,
            AttrSETSPDUnitCode      OCTET STRING ,
            AttrSETADL INTEGER ,
            AttrSETADLUnitCode      OCTET STRING ,
            AttrSETEPT NULL
            }

AttrSETEntryIndex   OBJECT-TYPE
   SYNTAX  INTEGER
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
          "INDEX of SET Entry "
   ::= { AttrSETEntry 1 }

AttrSETSPD    OBJECT-TYPE
   SYNTAX  INTEGER ( 1..9999 )
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Starting point & Length
         Data Format(Default):NNNN
           Length: 1-9999
           9999 used for only 'Start Point' but with no length."
   ::= { AttrSETEntry 2 }

AttrSETSPDUnitCode    OBJECT-TYPE
   SYNTAX  OCTET STRING
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Unit Code of Starting point & Length
         KMT: km
         MTR: m
         MIL: mile
```

```
        FOT: foot"
    DEFVAL { 'MTR' }
   ::= { AttrSETEntry 3 }

AttrSETADL    OBJECT-TYPE
   SYNTAX  INTEGER ( 1..9999 )
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Applicable Distance & Length
         Data Format(Default):NNNN
           Length: 1-9999
           9999 used for only 'Start Point' but with no length."
   ::= { AttrSETEntry 4 }

AttrSETADLUnitCode    OBJECT-TYPE
   SYNTAX  OCTET STRING
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Unit Code of Applicable Distance & Length
         KMT: km
         MTR: m
         MIL: mile
         FOT: foot"
    DEFVAL { 'MTR' }
   ::= { AttrSETEntry 5 }

AttrSETEPT    OBJECT-TYPE
   SYNTAX  NULL
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "End point
         Data Format(Default):none "
   ::= { AttrSETEntry 6 }
```

6.7.2.4 NOL (Number of Lanes)

Definition: Code NOL indicates the number of lanes and lane numbers in numeric order (1 to NN) from the left in the travelling direction of vehicles. These qualifiers must be used in NOL occurrences.

Data Element Code & Full Name	Data Source					
	Qualifier	Full Name	Data Format (Default)	Coded Value	Unit Code	Default Units
NOL	NLN	Number of Lanes	NN	01 to NN	none	none

6.7.2.4.1 ASN.1 Description of NOL

```
--
--   NOL (Number of Lanes):
--

NOLAttributeTable   OBJECT-TYPE
   SYNTAX  SEQUENCE OF AttrNOLEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
      "Number of Lanes Group"
   ::= { TTIAttributeDEs 4 }

AttrNOLEntry   OBJECT-TYPE
   SYNTAX  AttrNOLEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
       "Number of Lanes Entry "
   INDEX   { AttrNOLEntryIndex }
   ::= { NOLAttributeTable 1 }

AttrNOLEntry    ::= SEQUENCE {
            AttrNOLEntryIndex    INTEGER ,
            AttrNOLNLN       INTEGER
            }

AttrNOLEntryIndex   OBJECT-TYPE
   SYNTAX  INTEGER
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
         "INDEX of NOL Entry "
   ::= { AttrNOLEntry 1 }

AttrNOLNLN OBJECT-TYPE
   SYNTAX  INTEGER ( 1..99 )
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
       "Number of Lanes: 01 to 99 "
   ::= { AttrNOLEntry 2 }
```

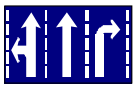
6.7.2.5 DFL (Directional Flow of Lane)

Definition: Code DFL consists of eight qualifiers, each of which has directional flow of lane. These qualifiers must be used in DFL occurrences.

Data Element Code & Full Name	Data Source				
	Full Name	Data Format (Default)	Coded Value	Unit Code	Default Units
DFL	Directional Flow of Lane	N	1  Straight direction Only SDL	none	none
			2  Straight and Left Turn Only SLT	none	none
			3  Straight and Right Turn Only SRT	none	none
			4  Left Turn Only LTO	none	none
			5  Right Turn Only RTO	none	none
			6  Convergence from the Left CLL	none	none
			7  Convergence from the Right CRI	none	none
			8  Oncoming Vehicles Lane OVL	none	none

EXAMPLE

Pre-selecting Intersections on Roads with Several Lanes This sign indicates the traffic flow direction of each lane by using the coded values of DFL staring with the left lane. In this case, qualifiers SLT, SDL and RTO are indicated in this order.



Lane Number 1 2 3

6.7.2.5.1 ASN.1 Description of DFL

```
--
--   DFL (Directional Flow of Lane):
--

DFLAttributeTable   OBJECT-TYPE
   SYNTAX  SEQUENCE OF AttrDFLEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
      "Directional Flow of Lane Group"
   ::= { TTIAttributeDEs 5 }

AttrDFLEntry    OBJECT-TYPE
   SYNTAX  AttrDFLEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
       "Directional Flow of Lane Entry "
   INDEX   { AttrDFLEntryIndex }
   ::= { DFLAttributeTable 1 }

AttrDFLEntry    ::= SEQUENCE {
            AttrDFLEntryIndex   INTEGER ,
            AttrDFL             INTEGER
            }

AttrDFLEntryIndex   OBJECT-TYPE
   SYNTAX  INTEGER
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
          "INDEX of DFL Entry "
   ::= { AttrDFLEntry 1 }

AttrDFL    OBJECT-TYPE
   SYNTAX  INTEGER {
            SDL     (1) , -- Straight Direction Only
            SLT     (2) , -- Straight and Left Turn Only
            SRT     (3) , -- Straight and Right Turn Only
            LTO     (4) , -- Left Turn Only
            RTO  (5) , -- Right Turn Only
            CLL     (6) , -- Convergence from the Left Lane
            CRI     (7) , -- Convergence from the Right Lane
            OVL     (8), -- Oncoming Vehicles Lane
            }
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
       "Directional Flow of Lane
         1 : Straight Direction Only
         2 : Straight and Left Turn Only
         3 : Straight and Right Turn Only
         4 : Left Turn Only
         5 : Right Turn Only
         6 : Convergence from the Left Lane
         7 : Convergence from the Right Lane
         8 : Oncoming Vehicles Lane "
   ::= { AttrDFLEntry 2 }
```

6.7.2.6 VED (Vehicle Dimensions)

Definition: Code VED indicates the dimensional limitations or regulations of vehicles and consists of qualifiers on 'Vehicle class,' 'Vehicle class exemption,' 'Vehicle height,' 'Vehicle width,' 'Vehicle weight,' and 'Vehicle length.' These qualifiers must be used in VED occurrences.

Data Element Code & Full Name	Data Source					
	Qualifier	**Full Name**	**Data Format (Default)**	**Coded Value**	**Unit Code**	**Default Units**
VED (Vehicle Dimensions)	VCL	Vehicle Class	Assigned according to 'CEN prENV/278/8/15 RTTT – Traffic and travel data dictionary - Part 1: General definitions, entities, attributes'			
	VCE	Vehicle Class Exemption	Assigned according to 'CEN prENV/278/8/15 RTTT – Traffic and travel data dictionary - Part 1: General definitions, entities, attributes'			
	HEI	Vehicle Height	NNN.N	Height: 1 to 999.9	MTR: m CMT: cm FOT: foot YRD: yard	m
	WID	Vehicle Width	NNN.N	Width: 1 to 999.9	MTR: m CMT: cm FOT: foot YRD: yard	m
	WEI	Vehicle Weight	NNN.N	Weight: 1 to 999.9	TNE: ton	T
	VLN	Vehicle length	Assigned according to 'CEN prENV/278/8/15 RTTT – Traffic and travel data dictionary - Part 1: General definitions, entities, attributes'			

EXAMPLE

(a) Vehicle Class Regulation

Indicates that motor vehicles of the class specified by VCL are not allowed to pass through this point. The designated vehicle class can be changed to 'Large Vehicle,' 'Bicycle,' 'Pedestrian' or other classes as well as to any combination of these classes. Vehicle class is also variable according to the change in ambient and/or road conditions.

(a)

(b) Maximum Speed Limitation except for Mopeds (Vehicle class exemption)

Besides this exemption, 'except for route buses,' 'except for light vehicles,' etc. may be specified by using VCE. In this case, vehicles subject to a maximum speed limitation of 50 km/h exclude mopeds.

(b)

(c) Height Limit

Indicates that vehicles with a maximum height of 3.3m are permitted to pass through this point as specified by HEI. This value is variable according to the change in ambient and/or road conditions.

(c)

(d) Width Limit

Indicates that vehicles with a maximum width of 2.2m are permitted to pass through this point as specified by WID. This value is variable according to the change in ambient and/or road conditions

(d)

(e) Weight Limit

Indicates that vehicles with a maximum weight of 5 tons are permitted to pass through this point as specified by WEI. This value is variable according to the change in ambient and/or road conditions.

(e)

6.7.2.6.1 ASN.1 Description of VED

```
--
--   VED (Vehicle Dimensions):
--

VEDAttributeTable   OBJECT-TYPE
   SYNTAX  SEQUENCE OF AttrVEDEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
      "Vehicle Dimensions Group"
   ::= { TTIAttributeDEs 6 }

AttrVEDEntry    OBJECT-TYPE
   SYNTAX  AttrVEDEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
       "Vehicle Dimensions Entry "
   INDEX   { AttrVEDEntryIndex }
   ::= { VEDAttributeTable 1 }

AttrVEDEntry    ::= SEQUENCE {
            AttrVEDEntryIndex    INTEGER ,
            AttrVEDVCL       OCTET STRING ,
            AttrVEDVCE       OCTET STRING ,
            AttrVEDHEI INTEGER ,
            AttrVEDHEIUnitCode OCTET STRING ,
            AttrVEDWID       INTEGER ,
            AttrVEDWIDUnitCode       OCTET STRING ,
            AttrVEDWEIINTEGER ,
            AttrVEDWEIUnitCode       OCTET STRING ,
            AttrVEDVLN       OCTET STRING
            }

AttrVEDEntryIndex   OBJECT-TYPE
   SYNTAX  INTEGER
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
          "INDEX of VED Entry "
   ::= { AttrVEDEntry 1 }

AttrVEDVCL    OBJECT-TYPE
   SYNTAX  OCTET STRING
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
       "Vehicle class
        Assigned according to 'CEN prENV/278/8/15 RTTT - Traffic and
       travel data dictionary - Part 1:
         General definitions, entities, attributes'"
   ::= { AttrVEDEntry 2 }

AttrVEDVCE    OBJECT-TYPE
   SYNTAX  OCTET STRING
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
```

```
        "Vehicle class exemption
         Assigned according to 'CEN prENV/278/8/15 RTTT - Traffic and
          travel data dictionary - Part 1:
          General definitions, entities, attributes'"
    ::= { AttrVEDEntry 4 }

AttrVEDHEI    OBJECT-TYPE
    SYNTAX  REAL ( 0..999 )
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Vehicle height
         Data Format(Default):NNN
           height: 1-999"
    ::= { AttrVEDEntry 6 }

AttrVEDHEIUnitCode    OBJECT-TYPE
    SYNTAX  OCTET STRING
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Unit Code of Vehicle height
         MTR: m
         CMT: cm
         FOT: foot
         YRD: yard"
     DEFVAL { 'MTR' }
    ::= { AttrVEDEntry 7 }

AttrVEDWID    OBJECT-TYPE
    SYNTAX  REAL ( 0..999 )
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Vehicle width
         Data Format(Default):NNN
           width: 1-999"
    ::= { AttrVEDEntry 8 }

AttrVEDWIDUnitCode    OBJECT-TYPE
    SYNTAX  OCTET STRING
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Unit Code of Vehicle width
         MTR: m
         CMT: cm
         FOT: foot
         YRD: yard"
     DEFVAL { 'MTR' }
    ::= { AttrVEDEntry 9 }

AttrVEDWEI    OBJECT-TYPE
    SYNTAX  REAL ( 0..999 )
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Vehicle weight
         Data Format(Default):NNN
```

```
          weight: 1-999"
   ::= { AttrVEDEntry 10 }

AttrVEDWEIUnitCode    OBJECT-TYPE
   SYNTAX  OCTET STRING
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Unit Code of Vehicle weight
         TNE: t
        "
    DEFVAL { 'TNE' }
   ::= { AttrVEDEntry 11 }

AttrVEDVLN    OBJECT-TYPE
   SYNTAX  OCTET STRING
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Vehicle length
         Assigned according to 'CEN prENV/278/8/15 RTTT - Traffic and
         travel data dictionary - Part 1:
         General definitions, entities, attributes'"
   ::= { AttrVEDEntry 12 }
```

6.7.2.7 SPE (Speed)

Definition: Code SPE indicates the limit values of vehicle speeds and consists of qualifiers on 'Maximum speed' and 'Minimum speed.' These qualifiers must be used in SPE occurrences.

Data Element Code & Full Name	Data Source					
	Qualifier	Full Name	Data Format (Default)	Coded Value	Unit Code	Default Units
SPE (Speed)	SPM	Max. speed	NNN	Speed: 1-250	KMH: km/hr	Km/hr
	MNS	Min. speed	NNN	Speed: 1-250	KMH: km/hr	Km/hr

EXAMPLE

(a) Mandatory Maximum Speed Limitation

Indicates that vehicles with a maximum speed of 50km/hr are permitted to pass through this point as specified by SPM. This value is variable according to the change in ambient and/or road conditions. This regulation may also be enforced in conjunction with the vehicle class limitation.

(a)

(b) Mandatory Minimum Speed Limitation

Indicates that vehicles using the road at the entrance to which this sign is placed shall travel at not less than the speed specified by MNS. This value is variable according to the change in ambient and/or road conditions. This regulation may also be enforced in conjunction with the vehicle class limitation.

(b)

6.7.2.7.1 ASN.1 Description of SPE

```
--
--   SPE (Speed):
--

SPEAttributeTable   OBJECT-TYPE
   SYNTAX  SEQUENCE OF AttrSPEEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
      "Speed Group"
   ::= { TTIAttributeDEs 7 }

AttrSPEEntry   OBJECT-TYPE
   SYNTAX  AttrSPEEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
       "Speed Entry "
   INDEX   { AttrSPEEntryIndex }
   ::= { SPEAttributeTable 1 }

AttrSPEEntry    ::= SEQUENCE {
            AttrSPEEntryIndex    INTEGER ,
            AttrSPESPM      INTEGER ,
            AttrSPESPMUnitCode      OCTET STRING ,
            AttrSPEMNS      INTEGER ,
            AttrSPEMNSUnitCode      OCTET STRING
            }

AttrSPEEntryIndex   OBJECT-TYPE
   SYNTAX  INTEGER
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
          "INDEX of SPE Entry "
   ::= { AttrSPEEntry 1 }

AttrSPESPM    OBJECT-TYPE
   SYNTAX  INTEGER ( 1..250 )
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
       "Max. speed
        Data Format(Default):NNN
          Speed: 1-250"
   ::= { AttrSPEEntry 2 }

AttrSPESPMUnitCode    OBJECT-TYPE
   SYNTAX  OCTET STRING
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
       "Unit Code of Max. speed
        KMH: km/hr
        MIH: mile/hr"
    DEFVAL { 'KMH' }
   ::= { AttrSPEEntry 3 }
```

```
AttrSPEMNS    OBJECT-TYPE
   SYNTAX  INTEGER ( 1..100 )
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Min. speed
         Data Format(Default):NNN
           Speed: 1-100"
   ::= { AttrSPEEntry 4 }

AttrSPEMNSUnitCode    OBJECT-TYPE
   SYNTAX  OCTET STRING
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Unit Code of Min. speed
         KMH: km/hr
         MIH: mile/hr"
    DEFVAL { 'KMH' }
   ::= { AttrSPEEntry 5 }
```

6.7.2.8 ROI (Rate of Incline)

Definition: Code ROI indicates the rate of incline of a roadway expressed in percentage and consists of qualifiers on 'Uphill' and 'Downhill.' These qualifiers must be used in ROI occurrences.

Data Element Code & Full Name	Data Source					
	Qualifier	Full Name	Data Format (Default)	Coded Value	Unit Code	Default Units
RO	UHL	Uphill	NN	Percentage: 1 to 99	PER: %	%
(Rate of Incline)	DHL	Downhill	NN	Percentage: 1 to 99	PER: %	%

EXAMPLE

a) 'Slope' - 'Uphill'

Indicates that there is an uphill slope with an inclination of about 10% which starts from this point as specified by UHL. This sign is intended to arouse attention of heavy motor vehicles and/or trucks with full loads so as to prevent any traffic obstruction. (a)

(b) 'Slope' - 'Downhill'

Indicates that there is a downhill slope with an inclination of about 10% which starts from this point as specified by DHL. This sign is intended to arouse attention of heavy motor vehicles and/or trucks with full loads so as to prevent any traffic obstruction. (b)

6.7.2.8.1 ASN.1 Description of ROI

```
--
--   ROI (Rate of Incline):
--

ROIAttributeTable    OBJECT-TYPE
   SYNTAX  SEQUENCE OF AttrROIEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
      "Rate of Incline Group"
   ::= { TTIAttributeDEs 8 }

AttrROIEntry    OBJECT-TYPE
   SYNTAX  AttrROIEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
        "Rate of Incline Entry "
   INDEX   { AttrROIEntryIndex }
   ::= { ROIAttributeTable 1 }

AttrROIEntry    ::= SEQUENCE {
              AttrROIEntryIndex     INTEGER ,
              AttrROIUHL INTEGER ,
              AttrROIUHLUnitCodeOCTET STRING ,
              AttrROIDHL INTEGER ,
              AttrROIDHLUnitCodeOCTET STRING
              }

AttrROIEntryIndex   OBJECT-TYPE
   SYNTAX  INTEGER
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
           "INDEX of ROI Entry "
   ::= { AttrROIEntry 1 }

AttrROIUHL    OBJECT-TYPE
   SYNTAX  INTEGER ( 1..99 )
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Uphill
         Data Format(Default):NN
         Percentage: 1-99 "
   ::= { AttrROIEntry 2 }

AttrROIUHLUnitCode    OBJECT-TYPE
   SYNTAX  OCTET STRING
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Unit Code of Uphill
         PER: percent "
    DEFVAL { 'PER' }
   ::= { AttrROIEntry 3 }
```

```
AttrROIDHL    OBJECT-TYPE
   SYNTAX  INTEGER ( 1..99 )
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Downhill
         Data Format(Default):NN
           Percentage: 1-99 "
   ::= { AttrROIEntry 4 }

AttrROIDHLUnitCode    OBJECT-TYPE
   SYNTAX  OCTET STRING
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Unit Code of Downhill
         PER: percent "
    DEFVAL { 'PER' }
   ::= { AttrROIEntry 5 }
```

6.7.2.9 DBV (Distance Between Vehicles)

Definition: Code DBV indicates the value of a distance between vehicles (i.e., vehicular gap) and has a qualifier on 'Gap.' This qualifier must be used in DBV occurrences.

Data Element Code & Full Name	Data Source					
	Qualifier	Full Name	Data Format (Default)	Coded Value	Unit Code	Default Units
DBV (Distance between vehicles)	GAP	Vehicular gap	NNN	Length: 1 to 999	MTR: m FOT: foot	m

EXAMPLE

Driving of Vehicles Less than XXm apart Prohibited'
Indicates that a distance as specified by GAP must be kept between the front end of one vehicle and the rear end of another preceding vehicle. In this example, travelling of vehicles with a gap less than the given distance is prohibited. This value is variable according to the change in ambient and/or road conditions.

6.7.2.9.1 DBV (Distance Between Vehicles)

```
--
--   DBV (Distance Between Vehicles):
--

DBVAttributeTable    OBJECT-TYPE
   SYNTAX  SEQUENCE OF AttrDBVEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
      "Distance Between Vehicles Group"
   ::= { TTIAttributeDEs 9 }

AttrDBVEntry    OBJECT-TYPE
   SYNTAX  AttrDBVEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
       "Distance Between Vehicles Entry "
   INDEX   { AttrDBVEntryIndex }
   ::= { DBVAttributeTable 1 }

AttrDBVEntry    ::= SEQUENCE {
            AttrDBVEntryIndex     INTEGER ,
            AttrDBVGAP         INTEGER ,
            AttrDBVGAPUnitCode  OCTET STRING
            }

AttrDBVEntryIndex   OBJECT-TYPE
   SYNTAX  INTEGER
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
          "INDEX of DBV Entry "
```

```
    ::= { AttrDBVEntry 1 }

AttrDBVGAP    OBJECT-TYPE
    SYNTAX  INTEGER ( 1..999 )
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Vehicular gap
         Data Format(Default):NNN
           Length: 1-999 "
    ::= { AttrDBVEntry 2 }

AttrDBVGAPUnitCode    OBJECT-TYPE
    SYNTAX  OCTET STRING
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Unit Code of Vehicular gap
         MTR: m
         FOT: foot "
     DEFVAL { 'MTR' }
    ::= { AttrDBVEntry 3 }
```

6.7.2.10 DDD (Direction/Destination/Distance)

Definition: Code DDD indicates route information elements on direction, destination, distance, and other related items which can be used mainly for specifying informative signs. It contains qualifiers on 'Diverging Point Configuration,' 'Direction,' 'Destination,' 'Road Number,' 'Name,' and 'Distance.'

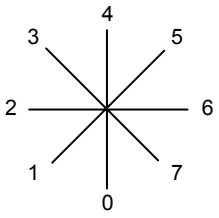
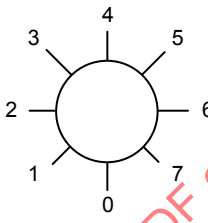
'Diverging Point Configuration' is classified into 'Junction Type,' 'Clockwise Roundabout Type,' and 'Counter clockwise Roundabout Type.' The value indicates the combination of octet directions.

The value of 'Direction' indicates a number assigned to each of the octet directions, and the corresponding information on road class and the place where the road extends is given by qualifiers on 'Destination (Road)' and 'Destination (Place)'.

'Destination (Road)' is further specified by the coded value of 'Road/Street Number,' 'Road/Street Name,' or 'Ramp Number on Expressway.' 'Place Name' is the sub-qualifier of 'Destination (Place)'.

There are two types of qualifiers on distance. 'Distance to Diverging Point' is a distance value from a point where the sign is posted to the indicated diverging point. 'Distance to Destination Place' is a distance value between the indicated diverging point or the current point and the destination given by 'Destination (Place).' 'Distance to Diverging Point' is primarily used for advance notification.

These qualifiers must be used in DDD occurrences and two or more values may be assigned to each qualifier.

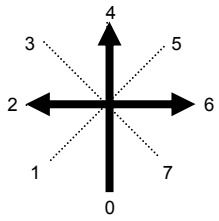
Data Element	Data Source					
	Qualifier	Full Name	Data Format (Default)	Coded Value	Unit Code	Default Units
DDD (Destination/Direction/Distance)	DCJ	Diverging Point Configuration (Junction-type)	NNN	1-128 for a combination of octet directions (The direction exists where the bit is "ON." Refer to prENV ISO 14821(GEOCODE).  Must be assigned according to prENV ISO 14821 'Geocode.'	none	none
	DCR	Diverging Point Configuration (Clockwise Roundabout Type)	NNN	1-128 for a combination of octet directions (The direction exists where the bit is "ON." Refer to prENV ISO 14821 GEOCODE).  (Must be assigned according to prENV ISO 14821 'Geocode.'	none	none
	TPL	Diverging Point Configuration (Counter-clockwise Roundabout Type)	N	1-128 for a combination of octet directions (The direction exists where the bit is "ON." Refer to prENV ISO 14821 (GEOCODE).	none	none
	DRN	Direction	N	0-7 for the number assigned to each of octet directions. Code 0 indicates the lane above which the sign is installed (downward arrow).	none	none
	DER	Destination (Road)	N	0: none (Void) 1: National Highway 2: Local Highway 3: Toll Expressway/Motorway	none	none
	DEP	Destination (Place)	N	0: none (Void) 1: Important area 2: Principal area 3: General area 4: Well-known point	none	none
	RON	Road Number	NNN	DER 1: National Highway: 1-999 DER 2: Local Highway: 1-999 DER 3 Toll Expressway /Motorway: 1-999 Note) It is prerequisite that all codes for road number are designed in advance by type of road indicated by DER. Code registration and management are the responsibility of the applicable road administration authority.	none	none
	RNE	Ramp number on Expressway	NNN	0-999Note) It is prerequisite that all codes for ramp number are designed in advance by type of road indicated by DER, if any. The code registration and management are the responsibility of the applicable road administration authority.	none	none
	STN	Road/Street Name	NNN	DER 1: Upper-tier Highway(National Highway): 1-999 DER 2: Lower-tier Highway (Local Highway): 1-999 DER 3 Tolled Expressway /Motorway: 1-999 Note) It is prerequisite that all codes for road/street name are designed in advance by type of road indicated by DER. Code registration and management are the responsibility of the applicable road administration authority	none	none

<table>
<tr><td></td><td>PLN</td><td>Place Name</td><td></td><td><table><tr><td>DEP 1: Important Area</td><td>DEP 2 Principal Area:</td><td>DEP 3: General Area</td><td>DEP 4: Well-known point</td></tr><tr><td>1-999</td><td>1-999</td><td>1-999</td><td>1-999</td></tr></table>
Note) It is prerequisite that all codes for road/street name are designed in advance by type of road indicated by DER. Code registration and management are the responsibility of the applicable road administration authority.</td><td>none</td><td>none</td></tr>
<tr><td></td><td>DCP</td><td>Distance to Diverging Point</td><td>NNNN</td><td>0: none (Void) 1 to 9999</td><td>KMT: km
MTR: m
MIL: mile
FOT: foot</td><td>m</td></tr>
<tr><td></td><td>DDP</td><td>Distance to Destination Place</td><td>NNNN</td><td>0: none (Void) 1 to 9999</td><td>KMT: km
MTR: m
MIL: mile
FOT: foot</td><td>km</td></tr>
</table>

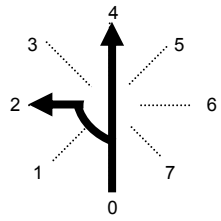
EXAMPLE

a) 'Complex Configuration of Diverging Point' Interchange-type configuration of diverging points with an overpass and ramps can be represented by a combination of DCJ-DCR or DCJ-TPL.

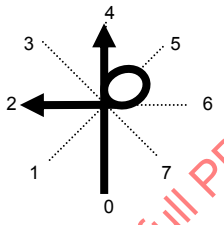
PATTERN 1) code: 43 '10101010'



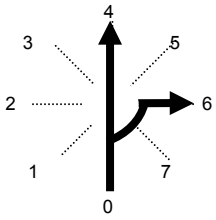
PATTERN 2) DCR: 33 + DCJ: 9
(Beware the coding order for this specific configuration.)



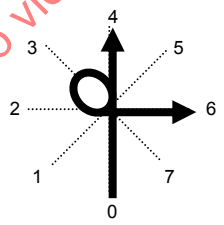
PATTERN 3) DCJ: 9 + DCR: 33
(Beware the coding order for this specific configuration.)



PATTERN 4) DCJ: 9 + TPL: 3
(Beware the coding order for this specific configuration)



PATTERN 5) TPL: 3 + DCJ: 9
(Beware the coding order for this specific configuration)



b) 'Direction Notice of Level Crossing with Destination and Street Name':
As this sign provides advance information on the next crossing, a distance to the crossing from where the sign is located is added by using qualifier DCP. This values variable according to the change in the sign location. For the display of a 'street name' for the crossing road, the coded values 2 and 6 of DRN are given for road direction, followed by the designed codes of DER and STN for the name assignment. 'Destination name ' is given by the coded values of DEP and PLN for each DRN code. There is another case where a distance from the crossing to each destination may be added by using qualifier DDP.

(b)

c) 'Direction Information with Multiple Destination Names and Distance Values' This sign shows the information of destination selectable at the next junction without the display of the junction configuration. Refer to b) above for code assignment.

(c)

d) 'Direction Information of Overpass Crossing with Multiple Destination Names' This sign is similar to the case b) but with a different junction configuration. Such overpass junction can be represented by PATTERN 2) in a) above

(d)

e)-1 'Notice of Expressway Exit with Ramp Number, Destination Name and Distance Value' This sign provides advance notice that vehicles are approaching to an expressway exit. Destination place names and the ramp number of the exit can be given by using a combination of DEP/PLN and RNE.

(e1)

e)-2 'Direction Information of Expressway Exit with Ramp Number, Direction and Destination Name' This sign is located just before an expressway exit indicating the direction to be followed from there. Refer to e)-2 and g) for the assignment of other information.

(e2)

f) 'Interstate Highway Number' This sign shows the route number of a national/interstate highway. The route number can be given by using a combination of DER and RON.

(f)

g) 'Street Name'This sign shows a street name. The street name can be given by using a combination of DER and STN.

(g)

NOTE Names of destination places which are represented by qualifier DEP (Destination Place) should be coded according to the following classification:

Code Value		Destination Place Name
1	Important area	— State/ province/ prefecture — Capital city of state/ province/ prefecture — City of transport importance with major interchange, station, or airfield
2	Principal area	— Major city in the region — Town of transport importance with major interchange, station, or airfield — Major transportation facility (e.g., airfield, port, or railway station) — Major industrial and commercial area — Well-known place of historic interest, scenic beauty, or major tourist attraction
3	General area	— City, town and village not applicable to any of the above — Noteworthy place along a route, not applicable to any of the above
4	Other well-known points	— Traffic and tourist facilities — Intersection, district, or street — Other public facilities

6.7.2.10.1 ASN.1 Description of DDD

```
--
DDD (Destination/Direction/Distance):
--

DDDAttributeTable   OBJECT-TYPE
   SYNTAX  SEQUENCE OF AttrDDDEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
      "Destination/Direction/Distance Group"
   ::= { TTIAttributeDEs 10 }

AttrDDDEntry   OBJECT-TYPE
   SYNTAX  AttrDDDEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
       "Destination/Direction/Distance Entry"
   INDEX   { AttrDDDEntryIndex }
   ::= { DDDAttributeTable 1 }

AttrDDDEntry    ::= SEQUENCE {
            AttrDDDEntryIndex    INTEGER ,
            AttrDDDDCJ      INTEGER ,
            AttrDDDDC INTEGER ,
            AttrDDDTPL      INTEGER ,
            AttrDDDDRN      INTEGER ,
            AttrDDDDER      INTEGER ,
            AttrDDDDEP      INTEGER ,
            AttrDDDRON      INTEGER ,
            AttrDDDRNE      INTEGER ,
            AttrDDDSTN      INTEGER ,
            AttrDDDPLN      INTEGER ,
            AttrDDDDCP      INTEGER ,
            AttrDDDDCPUnitCode     OCTET STRING ,
            AttrDDDDDP      INTEGER ,
            AttrDDDDDPUnitCode     OCTET STRING
            }


AttrDDDEntryIndex   OBJECT-TYPE
   SYNTAX  INTEGER
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
          "INDEX of DDD Entry "
   ::= { AttrDDDEntry 1 }


AttrDDDDCJ    OBJECT-TYPE
   SYNTAX  INTEGER ( 1..128 )
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
       "Diverging point configuration(Junction-type)
        Data Format(Default):NNN
          1-128 (The direction exists where the bit is 'ON')
```

```
                4
              3 | 5
            2—›  ‹—6
              1 | 7
                0
          Assigned according to prENV ISO 14821 'Geocode' "
    ::= { AttrDDDEntry 2 }

AttrDDDDCR    OBJECT-TYPE
    SYNTAX  INTEGER ( 1..128 )
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Diverging point configuration(Right-handed-roundabout-type)
         Data Format(Default):NNN
           1-128 (The direction exists where the bit is 'ON')
                4
              3 | 5
            2—›0‹—6
              1 | 7
                0
          Assigned according to prENV ISO 14821 'Geocode' "
    ::= { AttrDDDEntry 4 }

AttrDDDTPL    OBJECT-TYPE
    SYNTAX  INTEGER ( 1..128 )
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Diverging point configuration(Left-handed-roundabout-type)
         Data Format(Default):NNN
           1-128 (The direction exists where the bit is 'ON')
                4
              3 | 5
            2—›0‹—6
              1 | 7
                0
          Assigned according to prENV ISO 14821 'Geocode' "
    ::= { AttrDDDEntry 6 }

AttrDDDDRN    OBJECT-TYPE
    SYNTAX  INTEGER ( 0..7 )
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Direction
         Data Format(Default):N
           0-7: Assigned indicated number of said 'Diverging point
                configuration' to respectively correspond to each
                sequential qualifier of 'Destination'.
          If 0 is used, it indicates the current cruising lane
         (downward arrow).' "
    ::= { AttrDDDEntry 8 }

AttrDDDDER    OBJECT-TYPE
    SYNTAX  INTEGER {
              none(0) ,
              National highway(1) ,
              Local highway(2) ,
```

```
            Expressway(3)
            }
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Destination (Road)
          0: none (omission)
          1: National highway
          2: Local highway
          3: Expressway/ motorway  "
    ::= { AttrDDDEntry 10 }

AttrDDDDEP    OBJECT-TYPE
    SYNTAX  INTEGER {
            none(0),
            ImportantArea(1),
            PrincipalArea(2),
            GeneralArea(3),
            Well-knownPoint(4),
            RampOnExpressway(5),
            ServiceArea(6)
            }
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Destination (Place)
          0: none (omission)
          1: Important area
          2: Principal area
          3: General area
          4: Well-known point
          5: The ramp on expressway/ motorway
          6: Service area

        Note:
            The coded values of '1: Important area', '2: Principal area',
            '3: General area' and '4: Other well-known points'
            carried by qualifier DEP(Destination-place) should have
            following sites proposed for the traffic goals.

        1 Important area
          * State/ province/ prefecture
          * Capital city of state/ province/ prefecture
          * City of transport importance with major interchange, station, or airfield
        2 Principal area
          * Major city in the region
          * Town of transport importance with major interchange, station, or airfield
          * Major transportation facility (e.g. airfield, port, or railway station)
          * Major industrial and commercial area
          * Well known place of historic interest, scenic beauty, or major tourist attraction
3 General area
          * City, town and village not applicable to any of the above
          * Noteworthy place along a route, not applicable to any of the above
        4 Other well-known points
          * Traffic and tourist facilities
          * Intersection, district, or street
          * Other public facilities
           "
    ::= { AttrDDDEntry 12 }
```

```
AttrDDDRON    OBJECT-TYPE
   SYNTAX  INTEGER ( 1..999 )
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Road Number
          0: none (omission)
          DER 1:National Highway     1-999
          DER 2:Local Highway   1-999
          DER 3:Expressway      1-999

         Note)
          All numbers have to be registered in advance as code no.
          according to the existing road no. by each type of road,
          and administrated by applicable road authority (operator)."

   ::= { AttrDDDEntry 14 }

AttrDDDRNE    OBJECT-TYPE
   SYNTAX  INTEGER ( 0..999 )
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Ramp Number of ON/OFF ramp on Expressway
          Number: 0-999(if 0 is used, it indicates 'no number' or 'omission')

         Note)
          All numbers have to be registered in advance as code no.
         according to the existing ramp no. by each expressway,
         and administrated by applicable road authority (operator).  "
   ::= { AttrDDDEntry 16 }

AttrDDDSTN    OBJECT-TYPE
   SYNTAX  INTEGER ( 0..999 )
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Road/ Street Name
          0: none (omission)
          DER 1:National Highway     1-999
          DER 2:Local Highway   1-999
          DER 3:Expressway      1-999


Note)
All road/street names belonging to each type of road have to be registered in advance by using identical code
no. of RON, and administrated by applicable road authority (operator).

        "
   ::= { AttrDDDEntry 18 }

AttrDDDPLN    OBJECT-TYPE
   SYNTAX  INTEGER ( 0..999 )
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
        "Place Name
          0: none (omission)
```

```
            DEP 1:Important area   1-999
            DEP 2:Principal area    1-999
            DEP 3:General area     1-999
            DEP 4:Well-known point      1-999
            DEP 5:Ramp on Exp.   1-999
            DEP 6:Service area      1-999

          Note)
            All place names belonging to each type of place
           have to be registered in advance, and administrated by applicable road
           authority (operator). "
    ::= { AttrDDDEntry 20 }

AttrDDDDCP    OBJECT-TYPE
    SYNTAX  INTEGER ( 0..9999 )
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
         "Distance(Current-position - Div. point)
          Data Format(Default):NNNN
            Length: 0-9999(if 0 is used, it indicates 'omission') "
    ::= { AttrDDDEntry 21 }

AttrDDDDCPUnitCode    OBJECT-TYPE
    SYNTAX  OCTET STRING
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
         "Unit Code of Distance(Current-position - Div. point)
            KMT: km
            MTR: m
            MIL: mile
            FOT: foot "
     DEFVAL { 'MTR' }
    ::= { AttrDDDEntry 22 }

AttrDDDDDP    OBJECT-TYPE
    SYNTAX  INTEGER ( 0..9999 )
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
         "Distance(Div. point - each Des.)
          Data Format(Default):NNNN
            Length: 0-9999(if 0 is used, it indicates 'omission') "
    ::= { AttrDDDEntry 23 }

AttrDDDDDPUnitCode    OBJECT-TYPE
    SYNTAX  OCTET STRING
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
         "Unit Code of Distance(Div. point - each Des.)
            KMT: km
            MTR: m
            MIL: mile
            FOT: foot "
     DEFVAL { 'MTR' }
    ::= { AttrDDDEntry 24 }
END
```

7 Items Subject to Standardisation

It is difficult to standardize graphic messages, namely pictograms, which have become diversified among countries and system operators.

Therefore, this final draft International Standard can specify only the coding, names, and definitions of graphic symbols classified into the following three as the main items of TTI messages:

1) Traffic Sign Pictograms
   - Danger Warning Signs (see section 8.1)
   - Regulatory Signs (see section 8.2)
   - Informative Signs (see section 8.3)
2) Public Facilities Pictogram (see section 8.4)
3) Ambient/Road Condition Pictograms
   - Ambient Condition (see section 8.5)
   - Road Condition (see section 8.6)

The authorities concerned can use each pictogram as an object for traffic signs.
(See Annexes B- Example GDD Data set for U.N. and selected countries for details.)

7.1 Service Category Code No. '11111-11999': Traffic Sign Pictograms (Warning)

Pictograms falling under this category shall be used to give the road users advance warning for an adverse road condition, any hazards to safe driving, or any other conditions to which they should take notice.

Code		Description	
Service Category	Picture Category	Full Name	Definition
11	111	Cross Road	Notice of the existence of a cross-shaped level crossing ahead.
	112	Side road ahead	Notice of the existence of a side road ahead.
	113	Side road ahead (Reverse type of code No. 112	Notice of a side road ahead (Reverse type of Code No. 112).
	114	Right-hand fork intersection	Notice of the existence of a side road. Folk (off to upper right) type of Code No. 112
	115	Left-hand fork intersection	Notice of the existence of a side road. Folk (off to upper left) type of Code No. 112
	116	T junction	Notice of a T-shaped level junction at the end of the road.
	117	Y intersection	Notice of a Y-shaped level intersection ahead.
	118	Staggered intersection	Notice of a staggered level intersection ahead.
	119	Staggered intersection (Reverse type code No. 118)	Notice of a staggered level intersection ahead (Reverse type of Code No. 118).
	121~131	rfu	Reserved for future use.
	132	Priority road at intersection	Indicates that the road has the right-of-way at the approaching level crossing.
	133	Priority road at T-shaped crossing	Indicates that the road has the right-of-way at the approaching T-shaped crossing
	134	Priority road at reversed T-shaped crossing	Indicates that the road has the right-of-way at the approaching T-shaped crossing (Reverse type of Code No. 133).
	135	Priority road at T-shaped crossing of folk type (Lower left)	Indicates that the road has the right-of-way at the approaching T-shaped crossing (Folk type (lower left) of Code No. 133).
	136	Priority road at reversed T-shaped crossing of folk type (Lower right)	Notice of the priority road for the approaching T-shaped crossing (Reverse type (lower right) of Code No. 135).
	137~147	rfu	Reserved for future use.
	148	Roundabout ahead (Clockwise)	Notice of a clockwise rotary (roundabout) about.
	149	Roundabout ahead (Anti-clockwise)	Notice of an anti-clockwise rotary (roundabout) about.
	151~159	rfu	Reserved for future use.
	161	Right bend	Notice of a single curve to the right ahead.
	162	Left bend	Notice of a single curve to the left ahead.
	163~173	tfu	Reserved for future use.

Code		Description	
Service Category	Picture Category	Full Name	Definition
	174	Right turn	Notice of a single sharp curve (turn) to the right. A turn is differentiated from a curve by combining all elements of speed, radius of curve, road incline, intersection angle, and visible distance.
	175	Left turn	Notice of a single sharp curve (turn) to the left. A turn is differentiated from a curve by combining all elements of speed, radius of curve, road incline, intersection angle, and visible distance.
	176~186	rfu	Reserved for future use.
	187	Reverse curve (Right and left)	Notice of a combination of two curves (right and left) ahead.
	188	Reverse curve (Left and right)	Notice of a combination of two curves (left and right) ahead.
	189~199	rfu	Reserved for future use.
	211	Double bent first to the right	Notice of cranks which start with a right curve.
	212	Double bent first to the left	Notice of cranks which start with a left curve.
	213~223	rfu	Reserved for future use.
	224	Winding road (First to the right)	Notice of a winding section which starts with a right curve.
	225	Winding road (First to the left)	Notice of a winding section starts with a left curve.
	226~235	rfu	Reserved for future use.
	236	Railway level-crossing with gates	Notice of the existence of a level railway crossing with gates ahead.
	237	Railway level crossing without gate or barrier ahead	Notice of a level railroad crossing point without gate or barrier ahead.
	238	Tramway line	Notice of a road with a tramway line ahead.
	239	Children	Notice of an area where children in the age bracket of 1 to 6 frequently pass by and cross a road.
	241	Pedestrian crossing	Notice of an area where pedestrians frequently pass by and cross a road.
	242	Elderly or disabled pedestrians likely to cross ahead	Indicates the existence of elderly or disabled pedestrians likely to cross ahead.
	243	The wheelchair which a motor was used	A car which a motor is used for and to run.
	244~252	rfu	Reserved for future use.
	253	Traffic signals ahead	Notice of a signal-controlled crossing ahead where signal(s) are invisible or hard to identify from a distant point.
	254	Slippery road	Warns drivers of slippery road surface in case of a certain climatic condition that may hinder cruising at normal speeds.
	255	Falling rocks	Warns drivers of the possibility of falling rocks or the presence of fallen rocks on road surface.
	256	Loose gravel	Warns drivers of an unpaved section with loose gravel on the surface that may hinder cruising at normal speeds.

Code		Description	
Service Category	Picture Category	Full Name	Definition
	257~267	rfu	Reserved for future use.
	268	Uneven road of a bumpy section	Warns drivers of a bumpy section that may hinder cruising at normal speeds.
	269	Road humps or series of road humps ahead	Warns drivers of a road humps or series of road humps on road surface that may hinder cruising at normal speeds.
	271	Uneven road of a section with a large single pit	Warns drivers of a section with a large single pit on road surface that may hinder cruising at normal speeds.
	272~282	rfu	Reserved for future use.
	283	Road merging from the right	Warning that an inflow lane merges from the right into this through traffic.
	284	Road merging from the left	Warning that an inflow lane merges from the left into this through traffic.
	285	No entry for vehicles having an over-all height exceeding XX m (Warning)	Forbids motor vehicles with more than the specified height from passing through the designated section of the road.
	286~295	rfu	Reserved for future use.
	296	Carriageway narrows from the right	Warning that the number of lanes is reduced from the right.
	297	Carriageway narrows from the left	Warning that the number of lane is reduced from the left.
	298~318	rfu	Reserved for future use.
	319	Carriageway narrows	Warning that the width of a road is reduced.
	321~331	rfu	Reserved for future use.
	332	Two-way traffic	Noticing that the approaching road is for two-way traffic.
	333~345	rfu	Reserved for future use.
	346	Steep hill upwards ahead	Warning that there is a steep hill upwards with the indicated ROI (%).
	347	Steep hill downwards ahead	Warning that there is a steep hill downwards with the indicated ROI (%).
	348	Road works	Warning that there is a section under road construction or repairs ahead.
	349~359	rfu	Reserved for future use.
	361	Side winds likely ahead	Warns drivers of the possibility of sudden side wind that may hinder cruising at normal speeds.
	362	Low flying aircraft / Sudden aircraft noise likely ahead	Notice of the existence of low flying aircraft or sudden aircraft noise likely.

Code		Description	
Service Category	Picture Category	Full Name	Definition
	363	Wild animals likely to be in road ahead	Warns drivers of the possibility of wild animals crossing the road.
	364	Cattle likely to be in road ahead	Warns drivers of the possibility of cattle crossing the road.
	365~377	rfu	Reserved for future use.
	378	Opening or swing bridge ahead	Notice of the existence of an opening or swing bridge ahead.
	379	Quayside or river bank ahead	Warns drivers that a quayside or river bank exists ahead.
	381	Cycle route ahead	Warns drivers of the existence of cycle route.
	382	Cycle route ahead (Reverse type of code No,381)	Warns drivers of the existence of cycle route. Reverse design of code No, 381.
	383~394	rfu	Reserved for future use.
	395	Give way	Notice of a crossing where drivers must give way the right-of-way to the crossing road.
	396	Give way at XXm ahead	Notice of a crossing where drivers must give way the right-of-way to the crossing road. A distance to the crossing from the sign is suffixed to this information.
	397~997	rfu	Reserved for future use.
	998	Caution	Indicates auxiliary sign to alert.
	999	Other dangers	Warns drivers of some possible danger in cruising to call their attention. This sign is used in case where no other Warning Signs are applicable.

7.2 Service Category Code No. '12111-12999': Traffic Sign Pictograms (Regulatory) '

Pictograms falling under this category shall be used to inform the road users of special obligations, restrictions, or prohibitions with which they must comply. They are subdivided into the following three:

a) Priority signs (Pictogram Category Nos. 111-399)

b) Prohibitory or restrictive signs (Pictogram Category Nos. 411-699)

c) Mandatory signs (Pictogram Category Nos. 711-999).

Code		Description	
Service Category	Picture Category	Full Name	Definition
12	111	Priority for oncoming traffic	Notices that drivers must give way the right-of-traffic to oncoming traffic on a narrow section ahead.
	112	Compulsory stopping	Notice of a crossing where passing without stopping is prohibited.
	113	Compulsory stopping XXm ahead	Notice of a crossing where passing without stopping is prohibited. A distance to the crossing from the sign is suffixed to this information.
	114	Assigned lane for light vehicles or motor cycles	Indicates that a certain lane has been assigned for the priority use of light vehicles and motor cycles
	115	Assigned lane for trucks	Specific goods vehicles (trucks) must use this lane.
	116	Assigned lane on expressway for trailers	Specific goods vehicles (trailers) must use this lane on the expressway.
	117~126	rfu	Reserved for future use.
	127	Assigned lane for trailers	Trailers must use this lane.
	128	With-flow bus lane which pedal cycles may also use	Indicates that a certain lane has been assigned for the exclusive use of fixed-route buses and pedal cycles.
	129	Exclusive lane for route bus	Indicates that a certain lane has been assigned for the exclusive use of fixed-route buses.
	131	Buses and pedal cycles only	Indicates that a certain lane has been assigned for the priority use of fixed-route buses and pedal cycles.
	132	Priority lane for route bus	Indicates that a certain lane has been assigned for the priority use of fixed-route buses.
	133	Vehicles under XXt are permitted	Restricts large vehicles weighing over specified tonnage from passing through the road.
	134	High occupancy vehicle lane	Indicates a lane for the use of high occupancy vehicle.
	135~141	rfu	Reserved for future use.
	142~153	rfu	Reserved for future use.
	154	Centre line	Indicates the location of a centre line which divides lane(s) from the oncoming lane(s).
	155	Turning restriction on a multi-lane approach to an intersection	Gives advance notice of layout ahead to facilitate lane selection.

Code		Description	
Service Category	Picture Category	Full Name	Definition
	156	Stop line	Indicates the point to stop.
	157	Two-step right turn for mopeds	Mopeds(under 50cc) must dismount for right turn.
	158	Do not make two-step right turn	Mopeds(under 50cc) are prohibited to make two-step right turn.
	159~ 175	rfu	Reserved for future use.
	176	Slow down	Indicates that any vehicles must reduce their speed in this zone.
	177	Yield right of way	Indicates that any vehicles must reduce their speed in this zone. A distance to the crossing from the sign is suffixed to this information.
	178	Priority road	Indicates that drivers on this road have priority to go through a crossing which they are approaching.
	179~ 189	rfu	Reserved for future use.
	191~ 399	rfu	Reserved for future use.
	411	No entry for all vehicles, mopeds, cycles, pedestrians	Forbids pedestrians/ motor vehicles/ trams from entering the road.
	412	No entry	Forbids motor vehicles from entering the road.
	413	No entry into the designated direction of the road	Forbids motor vehicles from entering in the designated direction of the road.
	414	No vehicles crossing (except for vehicles turning left to enter or exit a facility off the road)	Forbids vehicles crossing except for vehicles turning left to enter or exit a facility off the road.
	415	Closed to all vehicles in both directions	Forbids motor vehicles from passing through the designated section of the road.
	416	Motor vehicles except motorcycles without sidecars prohibited	Forbids motor vehicles except bikes from passing through the designated section of the road.
	417	No entry for motor cycles	Forbids motor cycles from passing through the designated section of the road.
	418	No entry for cycles	Forbids cycles from passing through the designated section of the road.
	419	No entry for mopeds	Forbids mopeds from passing through the designated section of the road.
	421	No entry for goods vehicles	Forbids goods vehicles from passing through the designated section of the road.
	422	No entry for any power driven vehicle drawing a trailer include a semi-trailer or a single axle trailer	Forbids motor vehicles with a trailer from passing through the designated section of the road.

Code		Description	
Service Category	Picture Category	Full Name	Definition
	423	No entry for pedestrians	Forbid pedestrians from passing through the designated section of the road.
	424	Horse drawn vehicles prohibited	Forbids horse-drawn vehicles from passing through the designated section of the road.
	425	No entry for handcarts.	Forbids handcarts or other vehicles without motor except bicycles from passing through the designated section of the road.
	426	No entry for power driven agricultural vehicles	Forbids agricultural motor vehicles from passing through the designated section of the road.
	427	No entry for buses	Forbids buses from passing through the designated section of the road.
	428	No motor vehicles for pasturage	Forbids motor vehicles from passing through the designated section of the road with this sign.
	429~449	rfu	Reserved for future use.
	451	No motor vehicles	Forbids motor vehicles whose classes are specified on the sign from passing through the designated section of the road.
	452	No entry for power driven vehicles or animal-drawn vehicles	Forbids motor or animal-drawn vehicles whose classes are specified on the sign from passing through the designated section of the road.
	453~474	rfu	Reserved for future use.
	475	No entry for hazardous cargo	Prohibits motor vehicles carrying hazardous goods from passing through the designated section of the road.
	476~498	rfu	Reserved for future use.
	499	No entry for vehicles having an over-all width exceeding XX	Forbids motor vehicles with more than the specified width from passing through the designated section of the road.
	511	No entry for vehicles having an over-all height exceeding XX m	Forbids motor vehicles with more than the specified height from passing through the designated section of the road.
	512	No entry for vehicles exceeding XX t laden weight	Forbids motor vehicles with more than the specified weight from passing through the designated section of the road.
	513	No entry for vehicles having a weight exceeding XX t on one axle	Forbids motor vehicles with more than the specified axial weight from passing through the designated section of the road.
	514	No entry for vehicles or combinations of vehicles exceeding XXm in length	Forbids motor vehicles with more than the specified length from passing through the designated section of the road.
	515	Driving of vehicles less than XX m apart prohibited	Drivers must maintain the specified distance from the preceding vehicle when driving in the designated section of the road.
	516~526	rfu	Reserved for future use.
	527	No left turns	Forbids motor vehicles from turning left.
	528	No right turns	Forbids motor vehicles from turning right.
	529	No U-turns	Forbids motor vehicles from making U-turn.
	531~541	rfu	Reserved for future use.

Code		Description	
Service Category	Picture Category	Full Name	Definition
	542	Overtaking prohibited	Forbids motor vehicles from going over the centre lane when overtaking.
	543	End of overtaking prohibited	Ends forbiddance of motor vehicles from going over the centre lane when overtaking.
	544	Overtaking by goods vehicles prohibited	Forbids motor vehicles from overtaking goods vehicles.
	545	End of overtaking by goods vehicles prohibited	Ends forbiddance of motor vehicles from overtaking goods vehicles.
	546~ 556	rfu	Reserved for future use.
	557	Maximum speed limit	Regulates the maximum speed for motor vehicles.
	558	Use of audible warning devices prohibited	Prohibits motor vehicles from honking for warning when passing through the designated section of the road.
	559	Honk for warning	Mandates motor vehicles to honk for warning to oncoming vehicles when passing through the designated section of the road.
	561	Passing without stopping prohibited (Customs)	Compulsory stop for customs check.
	562	Stop for (Military police check)	Compulsory stop for military police check.
	563	Stop for (Police check)	Compulsory stop for police check.
	564	Stop for (Toll gate)	Compulsory stop for toll collection.
	565	Pedestrians crossover prohibited	Forbids pedestrians from crossing the road.
	566~ 576	rfu	Reserved for future use.
	577	Parking prohibited	Forbids motor vehicles from parking in the designated section of the road.
	578	Parking and standing prohibited (Any time)	Forbids motor vehicles from parking or standing still in the designated section of the road.
	579	Alternate parking(1st to 15th days)	Allows motor vehicles to park from the 1st to 15th of each month.
	581	Alternate parking (16th to 31st days)	Allows motor vehicles to park from the 16th to 31st of each month.
	582~ 591	rfu	Reserved for future use.
	592	Emergency parking only	Indicates that the use of parking area is permitted in case of emergency.
	593	Limited duration parking zone	Indicates when limited parking times and/or their duration are applicable.
	594	Limited duration no parking zone	Indicates when limited parking times and/or their duration are applicable.
	595~ 614	rfu	Reserved for future use.
	615~ 699	rfu	Reserved for future use.
	711	Direction to be followed (Left)	Obligates vehicles to travel in the left direction alone.

Code		Description	
Service Category	Picture Category	Full Name	Definition
	712	Direction to be followed (Right)	Obligates vehicles to travel in the right direction alone.
	713	Direction to be followed (Straight)	Obligates vehicles to go straight.
	714	Direction to be followed (Right turn)	Obligates vehicles to make a right turn.
	715	Direction to be followed (Left turn)	Obligates vehicles to make a left turn.
	716	Direction to be followed (Right, straight)	Obligates vehicles to turn right or go straight.
	717	Direction to be followed (Left, straight)	Obligates vehicles to turn left or go straight.
	718	Keep right	Obligates vehicles to pass the right hand side of the road.
	719	Keep left	Obligates vehicles to pass the left hand side of the road.
	721	Direction to be followed (Right turn, left turn)	Multiple choices of direction
	722	Direction to be followed (Right, straight, left)	Multiple choices of direction
	723~ 742	rfu	Reserved for future use.
	743	Two-way traffic	Notice of a two-way traffic ahead.
	744	One-way traffic	Notice of a one-way traffic to the right ahead.
	745	Direction to be followed (Left) (One-way road)	Notice of an one-way road to the left ahead.
	746	Compulsory roundabout (Clockwise)	Notice of a clockwise roundabout ahead.
	747	Compulsory roundabout (Anti-clockwise)	Notice of a anti-clockwise roundabout ahead.
	748	Road for motor vehicles only	Indicates that the path or track from here is only for motor vehicles.
	749	Route to be used by pedal cycles only	Indicates that the path or track is for a safe route for cycles.
	751	Abreast riding permitted	
	752	Bicycle crossing zone	Indicates the zone where bicycles cross.
	753	Footpath	Indicates that the path or track is for a safe route for pedestrians.
	754	Track for riders on horseback only	Indicates that the path or track is for a safe route for horseback riders.
	755~ 771	rfu	Reserved for future use.
	772	Pedestrian and bicycle crossing zone	Indicates the zone where pedestrians and bicycles cross.
	773	Segregated pedal cycle and pedestrian route	Indicates that the path or track is only for pedestrians and cyclists.
	774~ 794	rfu	Reserved for future use.
	795	Compulsory minimum speed	Regulates the minimum speed of motor vehicles when travelling.
	796	Snow chains compulsory	Mandates motor vehicles to wear snow chains when it is snowing.
	797~ 817	rfu	Reserved for future use.

Code		Description	
Service Category	Picture Category	Full Name	Definition
	818~ 849	rfu	Reserved for future use.
	851	End of priority	Indicates end of priority road.
	852	Distance plate indicating end of priority	Advance sign showing end of priority.
	853	End of all local prohibition imposed on moving vehicles	Indicates end of all local prohibition imposed on moving vehicles.
	854	End of prohibition of overtaking	Indicates end of prohibition of overtaking.
	855	End of prohibition of overtaking for goods vehicles	Indicates end of prohibition of overtaking for goods vehicles.
	856	End of speed limit	Indicates end of speed limit.
	857	End of compulsory minimum speed	Indicates end of compulsory minimum speed.
	858~ 879	rfu	Reserved for future use.
	881	Driving on tram track permitted	Indicates that vehicles can drive on tram track.
	882	Stopping permitted	Indicates that stopping is permitted in the zone.
	883~ 999	rfu	Reserved for future use.

7.3 Service Category Code No. '13111-13999': Traffic Sign Pictograms (Guide Signs)

Pictograms falling under this category shall be used to inform, advise, and guide the road users of a route, a line of demarcation between cities, towns, or villages, a direction and a distance to a destination or passing point, a travelling target toward a well-known point, etc. and to provide information which can be of great use for travelling. They are broadly divided into the following six:

a) Advance direction signs (Pictogram Category Nos. 111-399)

b) Direction signs (Pictogram Category Nos. 411-499)

c) Road/ Place identification signs (Pictogram Category Nos. 511-599)

d) Confirmatory signs (Pictogram Category Nos. 611-699)

e) Pedestrian crossing signs (Pictogram Category Nos. 711-799)

f) Other signs providing information useful to drivers of vehicles (Pictogram Category Nos. 811-999).

Code		Description	
Service Category	Picture Category	Full Name	Definition
13	111	Advance direction signs	Advance notice of direction(s) and destination(s) on the next junction with indications of the junction layout, place name(s) and the distance (s) from there, if any.
	112	Advance sign showing the direction of places	Advance notice of direction(s) and destination(s) on the next junction with indications of the junction layout, place name(s) and the distance (s) from there, if any.
	113~132	rfu	Reserved for future use.
	133	Advance direction signs showing the common road name	Advance notice of direction(s) and destination(s) on the next junction with indications of the junction layout, place name(s) and the distance (s) from there, if any.
	134~167	rfu	Reserved for future use.
	168	Advance expressway entrance sign	Advance notice of an expressway entrance with indications of the place name and a distance to the entrance from the present location.
	169	Advance signs showing the expressway with place name	Advance notice of an expressway exit with indications of the exit number, destination(s) connecting road number(s)/name(s) and/or distance(s) from there, if any.
	171	Advance direction signs showing the exit of expressway with road number	Advance notice of an expressway exit with indications of the exit number, destination(s), connecting road number(s)/name(s) and/or distance(s) from there, if any.
	172	Advance direction signs showing the exit of expressway	Advance notice of an expressway exit with indications of the exit number, destination(s), connecting road number(s)/name(s) and/or distance(s) from there, if any.
	173	Advance signs showing the service area on expressway	Advance notice of a service area on expressway with indications of type of facility and a distance to the SA from the present location.
	174~183	rfu	Reserved for future use.
	184	Multiple destinations and distances	Destination information with indications of place name(s) and distance(s) to destination(s).
	185	Sign showing the direction of places	Destination information selectable at a junction with indications of place name(s) and distance(s) to destination(s).

Code		Description	
Service Category	Picture Category	Full Name	Definition
	186	Sign showing the direction of places with road number	Destination information selectable at a junction with indications of road number(s) and distance(s) to destination(s).
	187	Sign showing the direction of places on the following road	Destination information on the following road with indications of place name(s) and distance(s) to destination(s).
	188	Sign showing the direction of places with junction layout	Destination information selectable at a junction with indications of the junction layout, place name(s) and distance(s) to destination(s).
	189	Sign showing the direction of places with common road names	Destination information selectable at a junction with indications of the junction layout, place name(s) and distance(s) to destination(s).
	191~221	rfu	Reserved for future use.
	222	Direction signs showing the entrance of expressway	Indicates the direction of an expressway entrance with indication of the expressway name.
	223	Direction signs showing the exit of expressway with the place name	Indicates the direction of an expressway exit with indications of place name(s), road number(s) and exit number.
	224	Direction signs showing the exit of expressway	Indicates the direction of an expressway exit with indications of place name and exit number.
	225	Signs assigning the lane for the place on the expressway	Indicates the destination of a lane to be taken.
	226	Signs showing a service area on expressway	Indicates the direction of a service area on the expressway with indication of the type of facility.
	227~257	rfu	Reserved for future use.
	258~299	rfu	Reserved for future use.
	311	State/Prefecture/Province	Indicates the name of a state/prefecture/province.
	312	City/Town	Indicates the name of a city/town.
	313	Well-known place	Indicates the name of a well-known place.
	314	Major district	Indicates the name of a major district.
	315~325	rfu	Reserved for future use.
	326	National/State highway number	Indicates the route number of a national/interstate highway
	327	Local highway number	Indicates the route number of a local highway.
	328	Street name	Indicates the name of a street.
	329~339	rfu	Reserved for future use.
	341~399	rfu	Reserved for future use.
	411~524	rfu	Reserved for future use.
	525	No through road (Dead-end)	Notifies that the road ahead is dead-end.

Code		Description	
Service Category	Picture Category	Full Name	Definition
	526	No through road at the next junction (Dead-end)	Notifies that the connecting road at the next junction is dead-end.
	527~537	rfu	Reserved for future use.
	538	Priority over oncoming traffic (Give way on narrow sections)	Notices that the following direction has the right-of-way over oncoming traffic on narrow sections ahead.
	539~549	rfu	Reserved for future use.
	551	Lane ends	Notices that the left lane ends at a point ahead.
	552~562	rfu	Reserved for future use.
	563	Directional flows	Notice of the directional flows of lanes on the road which vehicles are approaching.
	564~574	rfu	Reserved for future use.
	575	Lane divergence	Notices that the left lane diverges at a point ahead.
	576~586	rfu	Reserved for future use.
	587	Trucks prohibited from this lane	Notices that the left lane is not for trucks.
	588	Trucks prohibited from main lanes	Notices that the main lanes are not for trucks and that they should follow the diverging lane on the right.
	589	Trucks prohibited from diverging lane	Notices that the diverging lane on the left is not for trucks and that they should follow the main lanes.
	591~599	rfu	Reserved for future use.
	611	Advance direction sign for route to be followed	Advance notice of a route to be followed.
	612	Detour	Advance notice of a detour to be followed.
	613	Crawler lane	Advises slow vehicles to keep left (or right) to aVoid hindrance to vehicles travelling at high speeds.
	614~623	rfu	Reserved for future use.
	624	Escape lane (Right type 1)	Notices that there is an emergency escape route on the right.
	625	Escape lane (Left type 1)	Notices that there is an emergency escape route on the left.
	626~636	rfu	Reserved for future use.
	637	One-way road	Indicates that the following road is an one-way road.
	638	Lane convergence	Notices that a lane converges from the left (three lanes on the following flow).
	639~642	rfu	Reserved for future use.

Code		Description	
Service Category	Picture Category	Full Name	Definition
	643	Directional flows	Notice of the directional flows of lanes on the following road.
	644	Directional flows and lane convergence	Notice of the directional flows of lanes on the following road and a lane convergence from the right.
	645~665	rfu	Reserved for future use.
	666~765	rfu	Reserved for future use.
	766	Notice of pedestrian crossing	Indicates the location of a pedestrian crossing.
	767	School route	Indicates the route where children use to commute.
	768~777	rfu	Reserved for future use.
	778~796	rfu	Reserved for future use.
	797	Safety evacuation area	Indicates the large place to take refuge in case of disaster.
	798	Emergency exit	Indicates the location of an emergency exit.
	799	Fire extinguisher	Indicates the location of the instrument to extinguish in case of fire.
	811	Emergency roadside telephone	Indicates the location of an emergency roadside telephone.
	812	Emergency call button	Indicates the button to report in case of emergency.
	813	Lay-by for emergency use	Indicates the location of an emergency lay-by on the roadside.
	814	Waiting area for slower traffic	Indicates the location of a lay-by for slower vehicles to wait for the passage of faster vehicles.
	815	Safety zone	Indicates the area in a street that is allocated for pedestrian's safety when they wait for trams or cross the street.
	816	Hospital as guide signs	Indicates the location of a hospital as Guide signs.
	817~824	rfu	Reserved for future use.
	825	Toll gate	Notice of a toll gate with indication of a distance to the gate.
	826	Toll zone	Notice of a toll zone.
	827	Automatic toll gate	Notices that toll is automatically collected at a gate ahead.
	828	Manual toll gate	Notices that toll is manually collected at a gate ahead.
	829~832	rfu	Reserved for future use.
	833	Bicycle	Indicates the location of facilities for a bicycle.
	834	Aircraft/ Airport	Indicates a guide to an airport/aircraft.
	835	Departures	Indicates the location of departures in an airport.

Code		Description	
Service Category	Picture Category	Full Name	Definition
	836	Arrivals	Indicates the location of arrivals in an airport.
	837	Helicopter/ Heliport	Indicates the related facilities to a helicopter/heliport.
	838	Railway/ Railway station	Indicates the location of railway/railway station.
	839	Rent a car	Indicates the related facilities to rent cars.
	841	Taxi stop	Indicates the location of a taxi stop.
	842	Bus stop	Indicates the location of a bus stop.
	843	Tram stop	Indicates the location of a tram stop.
	844	Road open or closed	Indicates the current status of a road whether it is open or closed. The given information varies with the ambient condition.
	845	Advance notice of road open or closed	Gives notice of the current status of a road whether it is open or closed. The given information varies with the ambient condition.
	846	Parking space for vehicles with permission	Indicates the location of parking space only for motor vehicles with permission.
	847	Notice of road for motor vehicles	Indicates that the road is only for motor vehicles.
	848	Pedestrians street	Indicates that the road is only for pedestrians.
	849~865	rfu	Reserved for future use.
	866	Industrial area	Indicates the location of an industrial area.
	867	Motorway	Indicates the existence of a motorway.
	868~882	rfu	Reserved for future use.
	883	Parking	Indicates the location of a parking area.
	884	Parking for wheelchair user	Indicates the location of a parking area for wheelchair user.
	885	Parking (Charged)	Indicates the location of a pay parking area.
	886	Parking (Machine-charged)	Indicates the location of pay parking area with fee collecting machine.
	887	Park-and-ride point	Indicates the location of a park-and-ride point.
	888	Car ferry	Indicates the location of the boarding place of a car ferry.
	889	Car train	Indicates the location of the boarding place of a car train.
	891~912	rfu	Reserved for future use.
	913~999	rfu	Reserved for future use.

7.4 Service Category Code No. '21111- 21999': Public Facilities Pictograms (Public Facilities)

Pictograms falling under this category shall be used to inform the road users of a certain public facility and of the service it provides.

Code		Description	
Service Category	Picture Category	Full Name	Definition
21	111	Tourist information centre	Indicates the existence/location of an information centre.
	112	Police	Indicates the existence/location of a police office.
	113	Facilities for wheelchair user	Indicates that it is possible to use facilities smooth by wheelchair user.
	114	Public telephone	Indicates the existence/location of public telephone booths.
	115	First-aid station	Indicates the existence/location of a first-aid station.
	116	Hospital as public facilities	Indicates the location of a hospital as Public facilities.
	117~ 124	rfu	Reserved for future use.
	125	Maintenance service	Indicates the existence/location of a maintenance service station.
	126	Breakdown service	Indicates the existence/location of a breakdown service station.
	127	Place to inflate a tire	Indicates the place to inflate a tire.
	128	Filling station	Indicates the existence/location of a filling station.
	129	Filling station (+GPL)	Indicates the existence/location of a filling station where GPL is available.
	131~ 144	rfu	Reserved for future use.
	145	Washroom/Restroom	Indicates the existence/location of a washroom or restroom.
	146	Restroom for wheelchair user	Indicates the existence/location of a restroom for wheelchair user.
	147~ 159	rfu	Reserved for future use.
	161	Restaurant	Indicates the existence/location of a restaurant.
	162	Refreshment stand/Cafeteria	Indicates the existence/location of a refreshment stand or cafeteria.
	163	Service area	Indicates the existence/ location of a service area (with no description of services provided).
	164	Postal office	Indicates the existence/location of a postal office.
	165~ 179	rfu	Reserved for future use.
	181	Hotel/Motel	Indicates the existence/location of a hotel or motel.
	182	Hotel/Motel for wheelchair user	Indicates that the Hotel/Motel is available for wheelchair user.
	183	Youth hostel	Indicates the existence/location of a youth hostel.

Code		Description	
Service Category	Picture Category	Full Name	Definition
	184	Youth hostel for wheelchair user	Indicates the youth hostel is available for wheel chair user.
	185	Camping site	Indicates the existence/location of a camping site.
	186	Caravan site	Indicates the existence/location of a caravan site.
	187	Camping and caravan site	Indicates the existence/location of camping and caravan sites.
	188	Recreational vehicle sanitary station	Indicates the availability of facilities designed for the use of dumping wastes from recreational vehicle holding tank.
	189	Roadside picnic site	Indicates the existence/location of a roadside picnic site.
	191	Amusement park	Indicates the existence/location of an amusement park.
	192	Starting-point for walks	Indicates the existence/location of a starting-point for walking.
	193	Jogging course	Indicates the existence/location of a jogging course.
	194	Skiing site	Indicates the existence/location of a skiing site.
	195	Ski lift	Indicates the existence/location of a ski lift station.
	196	Ropeway	Indicates the existence/location of a ropeway.
	197	Cable car	Indicates the existence/location of a cable car station.
	198	Canoeing site	Indicates the existence/location of a site for canoeing.
	199	Cultural assets	Indicates the existence/location of cultural assets.
	211	Natural assets	Indicates the existence/location of natural assets.
	212	Museum	Indicates the existence/location of museum.
	213	View point	Indicates the existence/location of the sights.
	214	Park	Indicates the existence/location of a park.
	215~ 999	rfu	Reserved for future use.

7.5 Service Category Code No. '31111- 31999': Ambient/Road Conditions Pictograms(Ambient Condition)

Pictograms falling under this category shall be used to notify road-users in advance of road-related conditions and of events on route.

Code		Description	
Service Category	Picture Category	Full Name	Definition
31	111	Rainfall	Warns that it is raining en route to a certain place.
	112	Risk of ice/Packed snow ahead	Warns that it is snowing or icing en route to a certain place.
	113	Fog	Warns that it is foggy en route to a certain place.
	114~ 358	rfu	Reserved for future use.
	359	Strong side-wind	Warns that there is a strong side wind en route to a certain place.
	361	Flood	Warns that it is flood en route to a certain place.
	362~ 999	rfu	Reserved for future use.

7.6 Service Category Code No. '32111- 32999': Ambient/Road Conditions Pictograms (Road Condition)

Pictograms falling under this category will be used to notify road-users in advance of road-related conditions and of events on route.

Code		Description	
Service Category	Picture Category	Full Name	Definition
32	111	Traffic jam	Warns that there is a traffic jam ahead.
	112	Accident	Warns that an accident has occurred ahead.
	113	Vehicle on fire	Warns that there is a vehicle on fire ahead.
	114	Shed loads	Warns that there are shed loads ahead.
	115	Slow moving maintenance vehicle	Warns that there is a slow-moving maintenance vehicle ahead.
	16	Breakdown vehicle	Warns that there is a breakdown vehicle standing still ahead.
	117~ 999	rfu	Reserved for future use.

Annex A
(normative)

List of GDD Attributes

Attributes defined here are required for the following categories of 'Traffic Sign Pictogram:'

— Danger Warning Sign (Service category code No. '11')

— Regulatory Sign (Service category code No. '12')

— Informative Sign (Service category code No. '13')

Data element Code & Full Name	Data Source		
	Definition	Qualifier	Full Name
DTM (Date/ Time / Period)	Indicates the date/ time/ period status when the sign is valid and consists of qualifiers on 'Year,' 'Month and Day,' 'Hour and Minute,' 'Day of the week,' and 'Time Limit.' Also, 'Start' and 'End' properties are prepared for all these qualifiers. As for 'Special Month and Day,' only the assigned day is applicable to any regulation. (If needed, it may be followed by the 'Start' and 'End' properties.) These qualifiers must be used in DTM occurrences. Moreover, two or more values may be assigned to each qualifier.	SYR	Year (Start)
		EYR	Year (End)
		SMD	Month & Day (Start)
		EMD	Month & Day (End)
		PMD	Special month & Day
		SHM	Hour & Minute (Start)
		EHM	Hour & Minute (End)
		SDY	Day of the week (Start)
		EDY	Day of the week (End)
		LHM	Time limit (Hour & Minute)
EDT (Exemption Status of Date/ Time / Period	Indicates the Day/ time/ period status to be exempted when the sign is invalid and contains qualifiers on 'Year,' 'Month and Day,' 'Hour and Minute,' 'Day of the week,' and 'Time Limit.' Also, 'Start' and 'End' properties are prepared for all these qualifiers. As for 'Special Month and Day,' only the assigned day is applicable to any regulation. (If needed, it may be followed by the 'Start' and 'End' properties.) These qualifiers must be used in EDT occurrences. Moreover, two or more values may be assigned to each qualifier.	SYR	Year (Start)
		EYR	Year (End)
		SMD	Month & Day (Start)
		EMD	Month & Day (End)
		PMD	Special month & Day
		SHM	Hour & Minute (Start)
		EHM	Hour & Minute (End)
		SDY	Day of the week (Start)
		EDY	Day of the week (End)
		LHM	Time limit (Hour & Minute)
SET (Section)	Indicates a roadway section within which the sign takes effect and contains qualifiers on 'Starting point & Length,' 'Applicable distance & Length,' and 'End point.' These qualifiers must be used in SET occurrences.	SPD	Starting point & Length
		ADL	Applicable distance & Length
		EPT	End point
NOL (Number of Lanes)	Indicates the number of lanes and lane numbers in numeric order (1 to NN) from the left in the travelling direction of vehicles. These qualifiers must be used in NOL occurrences.	NLN	Lane maximum
DFL (Directional Flow of Lane)	Consists of eight qualifiers each of which has directional flow of lane. These qualifiers must be used in DFL occurrences.	SDL	Straight Direction Only
		SLT	Straight and Left Turn Only

Data element Code & Full Name	Data Source		
	Definition	Qualifier	Full Name
		SRT	Straight and Right Turn Only
		LTO	Left Turn Only
		RTO	Right Turn Only
		CLL	Convergence from the Left Lane
		CRI	Convergence from the Right Lane
		OVL	Oncoming Vehicles Lane
VED (Vehicle Dimensions)	Indicates the dimensional limitations or regulations of vehicles and consists of qualifiers on 'Vehicle class,' 'Vehicle class exemption,' 'Vehicle height,' 'Vehicle width,' 'Vehicle weight,' and 'Vehicle length.' These qualifiers must be used in VED occurrences.	VCL	Vehicle class
		VCE	Vehicle class exemption
		HEI	Vehicle height
		WID	Vehicle width
		WEI	Vehicle weight
		VLN	Vehicle length
SPE (Speed)	Indicates the limit values of vehicle speeds and consists of qualifiers on 'Maximum speed' and 'Minimum speed.' These qualifiers must be used in SPE occurrences.	SPM	Maximum speed
		MNS	Minimum speed
ROI (Rate of Incline)	Indicates the rate of incline of a roadway expressed in percentage and consists of qualifiers on 'Uphill' and 'Downhill.' These qualifiers must be used in ROI occurrences.	UHL	Uphill
		DHL	Downhill
Distance Between Vehicles)	Indicates the value of a distance between vehicles (i.e., vehicular gap) and has a qualifier on 'Gap.' This qualifier must be used in DBV occurrences.	GAP	Vehicular gap
DDD# (Destination / Direction / Distance)	Indicates route information elements on direction, destination, distance, and other related items which can be used mainly for specifying informative signs. It contains qualifiers on 'Diverging Point Configuration,' 'Direction,' 'Destination,' 'Road Number,' 'Name,' and 'Distance.' Diverging Point Configuration' is classified into 'Junction Type,' 'Clockwise Roundabout Type,' and 'Counter clockwise Roundabout Type.' The value indicates the combination of octet directions. The value of 'Direction' indicates a number assigned to each of the octet directions, and the corresponding information on road class and the place where the road extends is given by qualifiers on 'Destination (Road)' and 'Destination (Place).' 'Destination (Road)' is further specified by the coded value of 'Road/Street Number,' 'Road/Street Name,' or 'Ramp Number on Expressway.' 'Place Name' is the sub-qualifier of 'Destination (Place).' There are two types of qualifiers on distance. 'Distance to Diverging Point' is a distance value from a point where the sign is posted to the indicated diverging point. 'Distance to Destination Place' is a distance value between the indicated diverging point or the current point and the destination given by 'Destination (Place)'. 'Distance to Diverging Point' is primarily used for advance notification. These qualifiers must be used in DDD occurrences and two or more values may be assigned to each qualifier.	DCJ	Diverging point configuration (Junction-type)
		DCR	Diverging point configuration (Clockwise-roundabout-type)
		TPL	Diverging point configuration (Counterclockwise-roundabout-type)
		DRN	Direction
		DER	Destination (Road)
		DEP	Destination (Place)
		RON	Road Number
		RNE	Road/ Street Name
		STN	Ramp Number on Expressway
		PLN	Place Name
		DCP	Distance (from Current position to Diverging point)
		DDP	Distance (from Diverging point to each Destination)

Annex B
(informative)

Example GDD Data set for U.N. and selected countries

Code No 11111-11999:

Traffic Sign Pictogram (Warning)

Basel ground models

Code			Pictogram design (example)								Related Attributes
	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	11 Warning	**111**	Cross Road								None
		112	Side road ahead								None
		113	Side road ahead (Reverse type of code No. 112								None
		114	Right-hand fork intersection								None
		115	Left-hand fork intersection								None
		116	T junction								None

	11 Warning	**117**	Y intersection								None
		118	Staggered intersection								None
		119	Staggered intersection (Reverse type code No. 118)								None
		121~131	rfu	Reserved for future use.							
		132	Priority road at intersection								None
		133	Priority road at T-shaped crossing								None
		134	Priority road at reversed T-shaped crossing								None
		135	Priority road at T-shaped crossing of folk type (Lower left)								None
	11 Warning	**136**	Priority road at reversed T-shaped crossing of folk type (Lower right)								None
		137~147	rfu	Reserved for future use.							

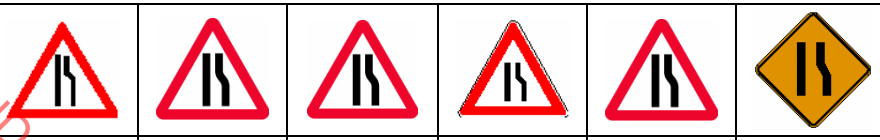
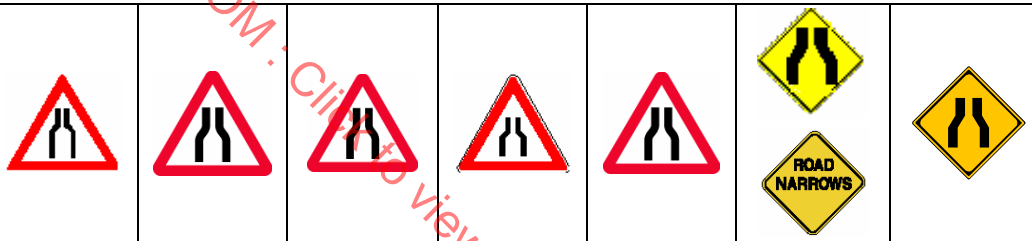
148	Roundabout ahead (Clockwise)								None
149	Roundabout ahead (Anti-clockwise)								None
151~159	rfu	Reserved for future use.							
161	Right bend								None
162	Left bend								None
163~173	rfu	Reserved for future use.							

	11 Warning	**174**	Right turn								None
		175	Left turn								None
		176~186	rfu	Reserved for future use.							
		187	Reverse curve (Right and left)								None
		188	Reverse curve (Left and right)								None
		189~199	rfu	Reserved for future use.							
		211	Double bent first to the right								None
		212	Double bent first to the left								None
		213~223	rfu	Reserved for future use.							

	11 Warning	**224**	Winding road (First to the right)								None
		225	Winding road (First to the left)								None
		226~235	rfu	Reserved for future use.							
		236	Railway level-crossing with gates								None
		237	Railway level crossing without gate or barrier ahead								None
		238	Tramway line								None
		239	Children								SET (SPD, ADL, EPT)
		241	Pedestrian crossing								SET (SPD, ADL, EPT)
	11 Warning	**242**	Elderly or disabled pedestrians likely to cross ahead								SET (SPD, ADL, EPT)

243	The wheelchair which a motor was used									None
244~252	rfu	Reserved for future use.								
253	Traffic signals ahead									SET (SPD, ADL, EPT)
254	Slippery road									SET (SPD, ADL, EPT)
255	Falling rocks									SET (SPD, ADL, EPT)
256	Loose gravel								LOOSE GRAVEL	SET (SPD, ADL, EPT)
257~267	rfu	Reserved for future use.								

11 Warning	**268**	Uneven road of a bumpy section					UNEVEN LANES		SET (SPD, ADL, EPT)
	269	Road humps or series of road humps ahead					BUMP		SET (SPD, ADL, EPT)
	271	Uneven road of a section with a large single pit					DIP		SET (SPD, ADL, EPT)
	272~282	rfu	Reserved for future use.						
	283	Road merging from the right							None
	284	Road merging from the left							None
	285	No entry for vehicles having an over-all height exceeding XX m (Warning)				4.4m	14'-4"		SET (SPD, ADL, EPT) VED (HEI)

	11 Warning	**286~295**	rfu	Reserved for future use.	
		296	Carriageway narrows from the right		None
		297	Carriageway narrows from the left		None
		298~318	rfu	Reserved for future use.	
		319	Carriageway narrows		None
		321~331	rfu	Reserved for future use.	
		332	Two-way traffic		SET (SPD, ADL, EPT)
		333~345	rfu	Reserved for future use.	

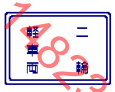
	11 Warning	**346**	Steep hill upwards ahead								SET (SPD, ADL, EPT) ROI (UHL)
		347	Steep hill downwards ahead								SET (SPD, ADL, EPT) ROI (DHL)
		348	Road works								SET (SPD, ADL, EPT)
		349~359	rfu	Reserved for future use.							
		361	Side winds likely ahead								SET (SPD, ADL, EPT)
		362	Low flying aircraft / Sudden aircraft noise likely ahead								None
		363	Wild animals likely to be in road ahead								SET (SPD, ADL, EPT)
		364	Cattle likely to be in road ahead								SET (SPD, ADL, EPT)

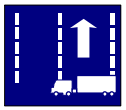
	11 Warning	**365~377**	rfu	Reserved for future use.						
		378	Opening or swing bridge ahead							None
		379	Quayside or river bank ahead							None
		381	Cycle route ahead							SET (SPD, ADL, EPT)
		382	Cycle route ahead (Reverse type of code No,381)							SET (SPD, ADL, EPT)
		383~394	rfu	Reserved for future use.						
		395	Give way							None
		396	Give way at XXm ahead							SET (SPD)
		397~997	rfs	Reserved for future use.						

	11 Warning	**998**	Caution				注 意	None
		999	Other dangers					SET (SPD, ADL, EPT)

Code No 12111-12999:
Traffic Sign Pictogram (Regulatory)

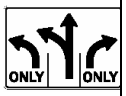
Basal ground models (alternatives)

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**111**	Priority for oncoming traffic								SET (SPD, ADL, EPT)
		112	Compulsory stopping								None
		113	Compulsory stopping XXm ahead								SET (SPD)
		114	Assigned lane for light vehicles or motor cycles								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) VED (VCL)

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**115**	Assigned lane for trucks								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) VED (VCL)
		116	Assigned lane on expressway for trailers								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) VED (VCL)
		117~ 126	rfu	Reserved for future use.							
		127	Assigned lane for trailers								SET (SPD, ADL, EPT) VED (VCL)

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**128**	With-flow bus lane which pedal cycles may also use								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL)
		129	Exclusive lane for route bus								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL)
		131	Buses and pedal cycles only								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL)

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**132**	Priority lane for route bus								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL)
		133	Vehicles under XXt are permitted								SET (SPD, ADL, EPT) VED (WEI)
		134	High occupancy vehicle lane								None
		135~ 141	rfu	Reserved for future use.							
		142~ 153	rfu	Reserved for future use.							
		154	Centre line								SET (SPD, ADL, EPT)

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**155**	Turning restriction on a multi-lane approach to an intersection								VED (VCL VCE) DFL
		156	Stop line								None
		157	Two-step right turn for mopeds								None
		158	Do not make two-step right turn								None
		159~175	rfu	Reserved for future use.							
		176	Slow down								None
		177	Yield right of way								SET (SPD,ADL,EPT)

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**178**	Priority road								SET (SPD,ADL,EPT)
		179~ 189	rfu	Reserved for future use.							
		191~ 399	rfu	Reserved for future use.							
		411	No entry for all vehicles, mopeds, cycles, pedestrians								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) VED (VCL, VCE, HEI, WID, WEI, VLN)
		412	No entry								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) VED (VCL, VCE, HEI, WID, WEI, VLN)

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**413**	No entry into the designated direction of the road								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) VED (VCL, VCE, HEI, WID, WEI, VLN)
		414	No vehicles crossing (except for vehicles turning left to enter or exit a facility off the road)								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE, HEI, WID, WEI, VLN)
		415	Closed to all vehicles in both directions								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) VED (VCL, VCE, HEI, WID, WEI, VLN)

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**416**	Motor vehicles except motorcycles without sidecars prohibited								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE, HEI, WID, WEI, VLN)
		417	No entry for motor cycles								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE)
		418	No entry for cycles								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE)

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**419**	No entry for mopeds								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE)
		421	No entry for goods vehicles								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE, HEI, WID, WEI, VLN)
		422	No entry for any power driven vehicle drawing a trailer include a semi-trailer or a single axle trailer								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE, HEI, WID, WEI, VLN)

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**423**	No entry for pedestrians								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT)
		424	Horse drawn vehicles prohibited								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE)
		425	No entry for handcarts.								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE)

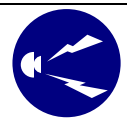
Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**426**	No entry for power driven agricultural vehicles								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE)
		427	No entry for buses								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE)
		428	No motor vehicles for pasturage								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT)
		429~ 449	rfu	Reserved for future use.							

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**451**	No motor vehicles								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE, HEI, WID, WEI, VLN)
		452	No entry for power driven vehicles or animal-drawn vehicles								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE, HEI, WID, WEI, VLN)
		453~474	rfu	Reserved for future use.							
		475	No entry for hazardous cargo								SET (SPD, ADL, EPT) VED (VCL)
		476~498	rfu	Reserved for future use.							

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**499**	No entry for vehicles having an over-all width exceeding XX								SET (SPD, ADL, EPT) VED (WID)
		511	No entry for vehicles having an over-all height exceeding XX m								SET (SPD, ADL, EPT) VED (HEI)
		512	No entry for vehicles exceeding XX t laden weight								SET (SPD, ADL, EPT) VED (WEI)
		513	No entry for vehicles having a weight exceeding XX t on one axle								SET (SPD, ADL, EPT) VED (WEI)
		514	No entry for vehicles or combinations of vehicles exceeding XXm in length								SET (SPD, ADL, EPT) VED (VLN)

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**515**	Driving of vehicles less than XX m apart prohibited								SET (SPD, ADL, EPT) DBV (GAP)
		516~ 526	rfu	Reserved for future use.							
		527	No left turns								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE)
		528	No right turns								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE)

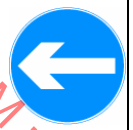
Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**529**	No U-turns								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE)
		531~ 541	rfu	Reserved for future use.							
		542	Overtaking prohibited								SET (SPD, ADL, EPT)
		543	End of overtaking prohibited								SET (SPD, ADL, EPT)
		544	Overtaking by goods vehicles prohibited								SET (SPD, ADL, EPT) VED (VCL, VCE)
		545	End of overtaking by goods vehicles prohibited								SET (SPD, ADL, EPT) VED (VCL, VCE)
		546~ 556	rfu	Reserved for future use.							

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**557**	Maximum speed limit								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) SPE (SPM)
		558	Use of audible warning devices prohibited								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT)
		559	Honk for warning								SET (SPD, ADL, EPT)
		561	Passing without stopping prohibited (Customs)								None
		562	Stop for (Military police check)								None

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**563**	Stop for (Police check)								None
		564	Stop for (Toll gate)								None
		565	Pedestrians crossover prohibited								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT)
		566~ 576	rfu	Reserved for future use.							
		577	Parking prohibited								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT)

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**578**	Parking and standing prohibited (Any time)								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT)
		579	Alternate parking(1st to 15th days)								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT)
		581	Alternate parking (16th to 31st days)								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT)
		582~ 591	rfu	Reserved for future use.							

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**592**	Emergency parking only								None
		593	Limited duration parking zone								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT)
		594	Limited duration no parking zone								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT)
		595~ 614	rfu	Reserved for future use.							
		615~ 699	rfu	Reserved for future use.							

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**711**	Direction to be followed (Left)								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE, HEI, WID, WEI, VLN)
		712	Direction to be followed (Right)								None
		713	Direction to be followed (Straight)								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE, HEI, WID, WEI, VLN)

Code			Pictogram design (example)							Related Attributes	
Country	Service Category	Pictogram Category	Name	U.N. / Vienna	France	UK	Germany	Italy	U.S.A	Japan	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	714	Direction to be followed (Right turn)								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE, HEI, WID, WEI, VLN))
		715	Direction to be followed (Left turn)								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE, HEI, WID, WEI, VLN)

Code			Name	Pictogram design (example)						Related Attributes	
Country	Service Category	Pictogram Category		U.N. / Vienna	France	UK	Germany	Italy	U.S.A	Japan	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	716	Direction to be followed (Right, straight)								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE, HEI, WID, WEI, VLN)
		717	Direction to be followed (Left, straight)								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE, HEI, WID, WEI, VLN)

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**718**	Keep right								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE, HEI, WID, WEI, VLN)
		719	Keep left								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE, HEI, WID, WEI, VLN)

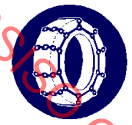
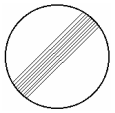
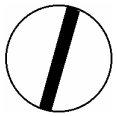
Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**721**	Direction to be followed (Right turn, left turn)								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE, HEI, WID, WEI, VLN)
		722	Direction to be followed (Right, straight, left)								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL, VCE, HEI, WID, WEI, VLN)
		723~ 742	rfu	Reserved for future use.							

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**743**	Two-way traffic								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT)
		744	One-way traffic								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT)
		745	Direction to be followed (Left) (One-way road)								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT)
		746	Compulsory roundabout (Clockwise)								None
		747	Compulsory roundabout (Anti-clockwise)								None

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**748**	Road for motor vehicles only								SET (SPD, ADL, EPT) VED (VCL)
		749	Route to be used by pedal cycles only								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL)
		751	Abreast riding permitted								SET (SPD, ADL, EPT)
		752	Bicycle crossing zone								None

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**753**	Footpath								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL)
		754	Track for riders on horseback only								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL)
		755~ 771	rfu	Reserved for future use.							
		772	Pedestrian and bicycle crossing zone								None

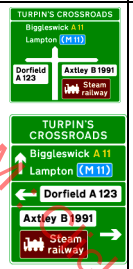
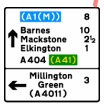
Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**773**	Segregated pedal cycle and pedestrian route								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL)
		774~ 794	rfu	Reserved for future use.							
		795	Compulsory minimum speed								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT) VED (VCL) SPE (MNS)

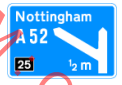
Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**796**	Snow chains compulsory								DTM (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) EDT (SYR, EYR, SMD, EMD, PMD, SHM, EHM, SDY, EDY, LHM) SET (SPD, ADL, EPT)
		797~ 817	rfu	Reserved for future use.							
		818~ 849	rfu	Reserved for future use.							
		851	End of priority								None
		852	Distance plate indicating end of priority								SET (SPD, ADL, EPT)
		853	End of all local prohibition imposed on moving vehicles								SET (EPT)

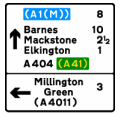
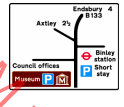
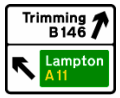
Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**854**	End of prohibition of overtaking								SET (EPT) VED (EPT)
		855	End of prohibition of overtaking for goods vehicles								SET (EPT) VED (EPT)
		856	End of speed limit								SET (EPT) SPE (SPM)
		857	End of compulsory minimum speed								SET (EPT) SPE (MNS)
		858~ 879	rfu	Reserved for future use.							
		881	Driving on tram track permitted								SET (SPD, ADL, EPT)
		882	Stopping permitted								SET (SPD, ADL, EPT)

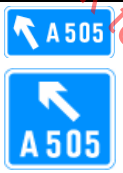
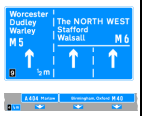
Code			Pictogram design (example)							Related Attributes	
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	12 Regulatory	**883~ 999**	rfu	Reserved for future use.							

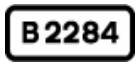
Code No 13111-13999: Traffic Sign Pictogram (Guide Sign)

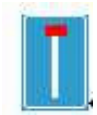
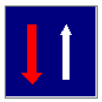
Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	13 Guide Signs	**111**	Advance direction signs								DDD
		112	Advance sign showing the direction of places								DDD
		113~ 132	rfu	Reserved for future use.							
		133	Advance direction signs showing the common road name								DDD
		134~ 167	rfu	Reserved for future use.							
		168	Advance expressway entrance sign								DDD

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	13 Guide Signs	**169**	Advance signs showing the expressway with place name							 	DDD
		171	Advance direction signs showing the exit of expressway with road number							 	DDD
		172	Advance direction signs showing the exit of expressway						 	DDD
		173	Advance signs showing the service area on expressway								DDD
		174~ 183	rfu	Reserved for future use.							
		184	Multiple destinations and distances								DDD

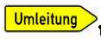
Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	13 Guide Signs	**185**	Sign showing the direction of places								DDD
		186	Sign showing the direction of places with road number								DDD
		187	Sign showing the direction of places on the following road								DDD
		188	Sign showing the direction of places with junction layout								DDD
		189	Sign showing the direction of places with common road names								DDD
		191~ 221	rfu	Reserved for future use.							

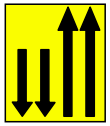
Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	13 Guide Signs	**222**	Direction signs showing the entrance of expressway								DDD
		223	Direction signs showing the exit of expressway with the place name								DDD
		224	Direction signs showing the exit of expressway								DDD
		225	Signs assigning the lane for the place on the expressway								DDD
		226	Signs showing a service area on expressway								DDD
		227~ 257	rfu	Reserved for future use.							

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	13 Guide Signs	**258~299**	rfu	Reserved for future use.							
		311	State/Prefecture/Province								DDD
		312	City/Town								DDD
		313	Well-known place								DDD
		314	Major district								DDD
		315~325	rfu	Reserved for future use.							
		326	National/State highway number .								DDD
		327	Local highway number								DDD
		328	Street name								DDD

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	13 Guide Signs	**329~339**	rfu	Reserved for future use.							
		341~399	rfu	Reserved for future use.							
		411~524	rfu	Reserved for future use.							
		525	No through road (Dead-end)								SET (SPD, ADL, EPT)
		526	No through road at the next junction (Dead-end)								SET (SPD, ADL, EPT)
		527~537	rfu	Reserved for future use.							
		538	Priority over oncoming traffic (Give way on narrow sections)								VED (VCL) SET (SPD, ADL, EPT)
		539~549	rfu	Reserved for future use.							
		551	Lane ends								SET (SPD, ADL, EPT)

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	13 Guide Signs	**552~562**	rfu	Reserved for future use.							
		563	Directional flows								SET (SPD, ADL, EPT)
		564~574	rfu	Reserved for future use.							
		575	Lane divergence								SET (SPD, ADL, EPT)
		576~586	rfu	Reserved for future use.							
		587	Trucks prohibited from this lane								VED (VCL) SET (SPD, ADL, EPT)
		588	Trucks prohibited from main lanes								VED (VCL) SET (SPD, ADL, EPT)
		589	Trucks prohibited from diverging lane								VED (VCL) SET (SPD, ADL, EPT)

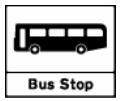
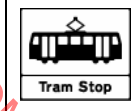
Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	13 Guide Signs	**591~599**	rfu	Reserved for future use.							
		611	Advance direction sign for route to be followed								DDD
		612	Detour								SET (SPD, ADL, EPT)
		613	Crawler lane								SET (SPD, ADL, EPT)
		614~623	rfu	Reserved for future use.							
		624	Escape lane (Right type 1)								None
		625	Escape lane (Left type 1)								None
		626~636	rfu	Reserved for future use.							

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	13 Guide Signs	**637**	One-way road								SET (SPD, ADL, EPT)
		638	Lane convergence								SET (SPD, ADL, EPT)
		639~ 642	rfu	Reserved for future use.							
		643	Directional flows								SET (SPD, ADL, EPT)
		644	Directional flows and lane convergence								SET (SPD, ADL, EPT)
		645~ 665	rfu	Reserved for future use.							
		666~ 765	rfu	Reserved for future use.							
		766	Notice of pedestrian crossing								None

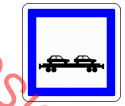
Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	13 Guide Signs	**767**	School route							通 学 路	SET (SPD, ADL, EPT)
		768~ 777	rfu	Reserved for future use.							
		778~ 796	rfu	Reserved for future use.							
		797	Safety evacuation area								SET (SPD, ADL, EPT)
		798	Emergency exit								None
		799	Fire extinguisher								None
		811	Emergency roadside telephone								None
		812	Emergency call button								None
		813	Lay-by for emergency use								SET (SPD, ADL, EPT)

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	13 Guide Signs	**814**	Waiting area for slower traffic								SET (SPD, ADL, EPT)
		815	Safety zone								SET (SPD, ADL, EPT)
		816	Hospital as guide signs								None
		817~ 824	rfu	Reserved for future use.							
		825	Toll gate								SET (SPD, ADL, EPT)
		826	Toll zone								SET (SPD, ADL, EPT)
		827	Automatic toll gate								None
		828	Manual toll gate								None

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	13 Guide Signs	**829~ 832**	rfu	Reserved for future use.							
		833	Bicycle								DDD (DRN, DER, DEP)
		834	Aircraft/ Airport								DDD (DRN, DER, DEP)
		835	Departures								DDD (DRN, DER, DEP)
		836	Arrivals								DDD (DRN, DER, DEP)
		837	Helicopter/ Heliport								DDD (DRN, DER, DEP)
		838	Railway/ Railway station								DDD (DRN, DER, DEP)
		839	Rent a car								DDD (DER, DEP)
		841	Taxi stop								DDD (DER, DEP)

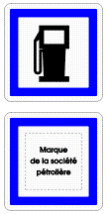
Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	13 Guide Signs	**842**	Bus stop								DDD (DER, DEP)
		843	Tram stop								DDD (DER, DEP)
		844	Road open or closed								DDD (DER, DEP)
		845	Advance notice of road open or closed								DDD (DER, DEP) SET (SPD, ADL)
		846	Parking space for vehicles with permission								SET (SPD, ADL, EPT)
		847	Notice of road for motor vehicles								SET (SPD, ADL, EPT)
		848	Pedestrians street								SET (SPD, ADL, EPT)
		849~ 865	rfu	Reserved for future use.							

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	13 Guide Signs	**866**	Industrial area								None
		867	Motorway								None
		868~ 882	rfu	Reserved for future use.							
		883	Parking								DDD (DRN)
		884	Parking for wheelchair user								DDD (DRN)
		885	Parking (Charged)								None
		886	Parking (Machine-charged)								None
		887	Park-and-ride point								DDD (DRN, DER, DEP)
		888	Car ferry								DDD (DRN, DER, DEP)

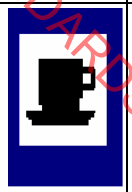
Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	13 Guide Signs	**889**	Car train								None
		891~912	rfu	Reserved for future use.							
		913~999	rfu	Reserved for future use.							

Code No 21111-21999: Public Facilities Pictogram (Public Facilities)

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	21 Public Facilities	**111**	Tourist information centre								DDD (DRN, DER, DEP)
		112	Police								DDD (DRN, DER, DEP)
		113	Facilities for wheelchair user								None
		114	Public telephone								DDD (DRN, DER, DEP)
		115	First-aid station			 ---					DDD (DRN, DER, DEP)

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	21 Public Facilities	**116**	Hospital as public facilities								DDD (DRN, DER, DEP)
		117~ 124	rfu	Reserved for future use.							
		125	Maintenance service								DDD (DRN, DER, DEP)
		126	Breakdown service								DDD (DRN, DER, DEP)
		127	Place to inflate a tire								DDD
		128	Filling station								DDD

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	21 Public Facilities	**129**	Filling station (+GPL)								DDD
		131~ 144	rfu	Reserved for future use.							
		145	Washroom/ Restroom								DDD
		146	Restroom for wheelchair user								DDD
		147~ 159	rfu	Reserved for future use.							
		161	Restaurant								DDD

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	21 Public Facilities	**162**	Refreshment stand/ Caféteria								DDD
		163	Service area								DDD
		164	Postal office								DDD
		165~ 179	rfu	Reserved for future use.							
		181	Hotel/Motel								DDD
		182	Hotel/Motel for wheelchair user								DDD

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	21 Public Facilities	**183**	Youth hostel								DDD
		184	Youth hostel for wheelchair user								DDD
		185	Camping site								DDD
		186	Caravan site								DDD
		187	Camping and caravan site								DDD

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	21 Public Facilities	**188**	Recreational vehicle sanitary station								DDD
		189	Roadside picnic site								DDD
		191	Amusement park								DDD
		192	Starting-point for walks								DDD
		193	Jogging course								DDD
		194	Skiing site								DDD
		195	Ski lift								DDD

Code			Pictogram design (example)								Related Attributes
Country	Service Category	Pictogram Category	*Name*	*U.N. / Vienna*	*France*	*UK*	*Germany*	*Italy*	*U.S.A*	*Japan*	
X8 X7	X6 X5	X4 X3 X2									X1
	21 Public Facilities	**196**	Ropeway								DDD
		197	Cable car								DDD
		198	Canoeing site								DDD
		199	Cultural assets								DDD
		211	Natural assets								DDD
		212	Museum								DDD
		213	View point								DDD
		214	Park								DDD