

DIN CEN/TS 16157-11:2022-05 (E)

Intelligent transport systems - DATEX II data exchange specifications for traffic management and information - Part 11: Publication of machine interpretable traffic regulations; English version CEN/TS 16157-11:2022

Contents

	Page
European foreword.....	5
1 Scope.....	7
2 Normative references.....	7
3 Terms and definitions	7
4 Symbols and abbreviations	8
5 Conformance.....	8
6 UML notation	8
7 The "TrafficRegulation" namespace.....	9
8 The traffic regulation publication model	10
8.1 Overview of the traffic regulation publication model	10
8.2 The "TrafficRegulationPublication" package	10
8.2.1 Overview of the "TrafficRegulationPublication" package.....	10
8.2.2 Semantics of the "TrafficRegulationPublication" package	10
9 The "Classes" package	11
9.1 Introduction.....	11
9.2 The "TrafficRegulation" package.....	11
9.2.1 Overview of the "TrafficRegulation" package.....	11
9.2.2 Semantics of the "TrafficRegulation" package	13
9.3 The "TrafficRegulationOrder" package.....	14
9.3.1 Overview of the "TrafficRegulationOrder" package.....	14
9.3.2 Semantics of the "TrafficRegulationOrder" package	18
9.4 The "TypeOfRegulations" package	20
9.4.1 Overview of the "TypeOfRegulations" package.....	20
9.4.2 Semantics of the "TypeOfRegulation" package	21
9.5 The "Warning" package	22
9.5.1 Overview of the "Warning" package.....	22
9.5.2 Semantics of the "Warning" package	23
Annex A (normative) Data Dictionary	25
A.1 Overview	25
A.2 Data Dictionary for "TrafficRegulation"	26
A.2.1 "TrafficRegulation" package	26
A.2.2 "TrafficRegulationOrder" package	30
A.2.3 "TrafficRegulationPublication" package	34
A.2.4 "TypeOfRegulations" package	36
A.2.5 "Warning" package	41
A.3 Data Dictionary of <> for "TrafficRegulation"	43
A.3.1 Introduction	43

A.3.2	The <<D2Datatype>> "AmountOfMoney".....	43
A.3.3	The <<D2Datatype>> "Duration".....	43
A.4	Data Dictionary of <<D2Enumeration>> for "TrafficRegulation".....	43
A.4.1	Introduction.....	43
A.4.2	The <<D2Enumeration>> "AccessConditionTypeEnum"	43
A.4.3	The <<D2Enumeration>> "AccessRestrictionTypeEnum"	44
A.4.4	The <<D2Enumeration>> "AmbientWarningTypeEnum"	44
A.4.5	The <<D2Enumeration>> "BendOfPriorityRoadTypeEnum"	45
A.4.6	The <<D2Enumeration>> "ConditionOperator"	45
A.4.7	The <<D2Enumeration>> "DirectionRestrictionTypeEnum".....	46
A.4.8	The <<D2Enumeration>> "DriverCharacteristicsTypeEnum"	47
A.4.9	The <<D2Enumeration>> "LicenseCharacteristicsEnum".....	47
A.4.10	The <<D2Enumeration>> "NonVehicularRoadUserTypeEnum".....	48
A.4.11	The <<D2Enumeration>> "PriorityRuleTypeEnum"	48
A.4.12	The <<D2Enumeration>> "ReasonForRegulationEnum"	49
A.4.13	The <<D2Enumeration>> "RoadOrCarriagewayOrLaneLayoutType"	50
A.4.14	The <<D2Enumeration>> "RoadTypeEnum"	50
A.4.15	The <<D2Enumeration>> "RoadWarningTypeEnum"	50
A.4.16	The <<D2Enumeration>> "StandingOrParkingRestrictionTypeEnum".....	51
A.4.17	The <<D2Enumeration>> "SteepHillDirectionTypeEnum"	52
A.4.18	The <<D2Enumeration>> "TrafficAheadTypeEnum".....	52
A.4.19	The <<D2Enumeration>> "TrafficRegulationInstallerTypeEnum"	53
A.4.20	The <<D2Enumeration>> "TrafficRegulationOrderStatusEnum"	53
A.4.21	The <<D2Enumeration>> "TrafficRegulationStatusEnum"	54
A.4.22	The <<D2Enumeration>> "UnitOfSpeedEnum".....	54
Annex B (normative)	Referenced XML Schema for "TrafficRegulation".....	55
B.1	Overview.....	55
B.2	Schema.....	55
Annex C (normative)	"Extension" Package.....	72
C.1	The "Extension" package	72
C.1.1	Introduction.....	72
C.1.2	The "CommonExtension" package.....	72
C.1.3	The "LocationExtension" package	75
C.2	Data Dictionary for "Extension"	76
C.2.1	"CommonExtension" package	76
C.2.2	"LocationExtension" package.....	79

C.3	Data Dictionary of <<D2Datatype>> for "Extension"	80
C.3.1	Introduction.....	80
C.3.2	The <<D2Datatype>> "ADRClass"	81
C.4	Data Dictionary of <<D2Enumeration>> for "Extension"	81
C.4.1	Introduction.....	81
C.4.2	The <<D2Enumeration>> "ApplicableDaysWithinMonthEnum"	81
C.4.3	The <<D2Enumeration>> "EmissionClassificationEuroEnumExtended".....	81
C.4.4	The <<D2Enumeration>> "EuSpecialPurposeVehicleEnum"	82
C.4.5	The <<D2Enumeration>> "EuVehicleCategoryEnum".....	83
C.4.6	The <<D2Enumeration>> "FuzzyTimeEnum"	85
C.4.7	The <<D2Enumeration>> "HouseNumberSideEnum".....	85
C.4.8	The <<D2Enumeration>> "LoadTypeEnumExtension".....	85
C.4.9	The <<D2Enumeration>> "PowerUnitOfMeasureEnum"	86
C.4.10	The <<D2Enumeration>> "VehicleEquipmentEnumExtension"	86
C.4.11	The <<D2Enumeration>> "VehicleTypeEnumExtension"	86
C.4.12	The <<D2Enumeration>> "VehicleUsageExtended"	87
C.4.13	The <<D2Enumeration>> "WeightTypeEnumExtended"	88
C.5	Referenced XML Schema for "CommonExtension"	89
C.6	Referenced XML Schema for "LocationExtension"	92
Bibliography.....		94