

ISO 17573-3:2024-12 (E)

Electronic fee collection - System architecture for vehicle-related tolling - Part 3: Data dictionary

Contents

Page

- Foreword..... vi
- Introduction vii
- 1 Scope 1
- 2 Normative references 1
- 3 Terms and definitions 2
- 4 Abbreviated terms 5
- 5 EFC common data object definitions 6
 - 5.1 General..... 6
 - 5.2 Subtypes of simple data types..... 6
 - 5.2.1 AccountStatus..... 6
 - 5.2.2 ActualNumberOfPassengers..... 6
 - 5.2.3 AlphabetIndicator 7
 - 5.2.4 Altitude 8
 - 5.2.5 Axles..... 9
 - 5.2.6 CabType..... 9
 - 5.2.7 ChassisType..... 9
 - 5.2.8 Co2EmissionClass..... 9
 - 5.2.9 Co2EmissionValue 10
 - 5.2.10 Co2EmissionValueLoad..... 10
 - 5.2.11 Co2Scheme..... 11
 - 5.2.12 ContractAuthenticator..... 11
 - 5.2.13 ContractSerialNumber..... 11
 - 5.2.14 CopValue..... 11
 - 5.2.15 CountryCode 12
 - 5.2.16 DetectionMode..... 12
 - 5.2.17 DistanceUnit..... 13
 - 5.2.18 DriverClass..... 13
 - 5.2.19 EmissionUnit..... 13
 - 5.2.20 EngineCapacity..... 14
 - 5.2.21 EngineCharacteristics..... 14
 - 5.2.22 EnginePower..... 16
 - 5.2.23 EquipmentIccId..... 16
 - 5.2.24 EquipmentObuId 16
 - 5.2.25 EquipmentStatus..... 16
 - 5.2.26 EuroValue..... 17
 - 5.2.27 EuroValueSubClass..... 17
 - 5.2.28 IssuerIdentifier 18
 - 5.2.29 Latitude..... 18
 - 5.2.30 LocalVehicleClassId..... 18
 - 5.2.31 LocationClassId 18
 - 5.2.32 Longitude..... 18
 - 5.2.33 Month..... 19
 - 5.2.34 PaymentSecurityData..... 19
 - 5.2.35 PayUnit..... 19
 - 5.2.36 PersonalAccountNumber..... 20
 - 5.2.37 RearWheelsSteeringType..... 20
 - 5.2.38 ReceiptAuthenticator..... 21

5.2.39	ReceiptDistance	21
5.2.40	ResultFin	21
5.2.41	ReceiptIccId	22
5.2.42	ReceiptObuld	22
5.2.43	ResultOp	22
5.2.44	ReceiptServiceSerialNumber	24
5.2.45	ReceiptText	24
5.2.46	StationType	24
5.2.47	SuspensionType	25
5.2.48	TariffClassId	25
5.2.49	Time	25
5.2.50	TimeClassId	26
5.2.51	TimeUnit	26
5.2.52	TrailerType	26
5.2.53	TripPurpose	26
5.2.54	TyreConfiguration	27
5.2.55	UserClassId	27
5.2.56	VehicleAuthenticator	28
5.2.57	VehicleClass	28
5.2.58	VehicleCurrentMaxTrainWeight	28
5.2.59	VehicleFirstAxleHeight	28
5.2.60	VehicleHeightOverall	28
5.2.61	VehicleLengthOverall	29
5.2.62	VehicleMassInRunningOrder	29
5.2.63	VehicleMaxLadenWeight	29
5.2.64	VehicleOperationalRange	29
5.2.65	VehicleTechnicalPermissibleMaxLadenMass	30
5.2.66	VehicleTotalDistance	30
5.2.67	VehicleTrainMaximumWeight	30
5.2.68	VehicleUsageCategoryType	30
5.2.69	VehicleWeightLaden	31
5.2.70	VehicleWeightUnladen	32
5.2.71	VehicleWidthOverall	32
5.2.72	WeekDay	32
5.3	Single level data types	33
5.3.1	AbsolutePosition2d	33
5.3.2	AbsolutePosition3d	33
5.3.3	AxleWeightLimit	33
5.3.4	AxleWeightLimits	33
5.3.5	DateCompact	35
5.3.6	DieselEmissionValues	35
5.3.7	DriverCharacteristics	35
5.3.8	Distance	35
5.3.9	Duration	35
5.3.10	EngineDetails	36
5.3.11	EuVehicleGroup	36
5.3.12	ExhaustEmissionValues	36
5.3.13	FutureCharacteristics	37
5.3.14	NumberOfAxles	37
5.3.15	Obeld	37
5.3.16	Particulate	37
5.3.17	PassengerCapacity	38
5.3.18	PaymentFee	38
5.3.19	Period	38
5.3.20	Provider	38
5.3.21	RelativePosition3d	39
5.3.22	SessionClass	39
5.3.23	SessionLocation	39
5.3.24	SignedValue	40
5.3.25	SoundLevel	40
5.3.26	TariffClassDescription	40
5.3.27	TimeCompact	40

5.3.28	TrailerDetails.....	41
5.3.29	WheelsConfiguration.....	41
5.4	Two-level data types.....	41
5.4.1	AxlesWeightLimits.....	41
5.4.2	ChargeObjectId.....	42
5.4.3	ContractValidity.....	42
5.4.4	DateAndTime.....	42
5.4.5	EnvironmentalCharacteristics.....	42
5.4.6	InitialVehicleRegistrationDate.....	43
5.4.7	Lpn.....	43
5.4.8	PaymentMeans.....	43
5.4.9	PaymentMeansBalance.....	43
5.4.10	PurseBalance.....	44
5.4.11	TrailerCharacteristics.....	44
5.4.12	ValidityOfContract.....	44
5.4.13	VehicleAxlesNumber.....	45
5.4.14	VehicleDimensions.....	45
5.4.15	VehicleIdentificationNumber.....	45
5.4.16	VehicleWeightLimits.....	45
5.5	Three-level data types.....	46
5.5.1	EfcContextMark.....	46
5.5.2	ReceiptContract.....	46
5.5.3	ReceiptData.....	46
5.5.4	ReceiptFinancialPart.....	47
5.5.5	ReceiptServicePart.....	48
5.5.6	VehicleAxles.....	48
5.5.7	VehicleSpecificCharacteristics.....	49
5.6	Complex data types.....	49
5.6.1	General.....	49
5.6.2	AggregatedSingleTariffClassSession.....	49
5.6.3	DetectedChargeObject.....	50
5.6.4	UserId.....	51
5.6.5	VehicleDescription.....	51
Annex A (normative) EFC common data type definitions.....		53
Bibliography.....		54