

# ISO/TS 17573-3:2021-08 (E)

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

---

<b>Contents</b>		<b>Page</b>
Foreword	.....	vi
Introduction	.....	vii
<b>1</b>	<b>Scope</b> .....	<b>1</b>
<b>2</b>	<b>Normative references</b> .....	<b>1</b>
<b>3</b>	<b>Terms and definitions</b> .....	<b>2</b>
<b>4</b>	<b>Abbreviated terms</b> .....	<b>4</b>
<b>5</b>	<b>EFC common data object definitions</b> .....	<b>4</b>
5.1	General.....	4
5.2	Subtypes of simple data types.....	5
5.2.1	AccountStatus.....	5
5.2.2	ActualNumberOfPassengers.....	5
5.2.3	FutureCharacteristics.....	5
5.2.4	Altitude.....	6
5.2.5	CO2EmissionValue.....	6
5.2.6	ContractAuthenticator.....	6
5.2.7	ContractSerialNumber.....	7
5.2.8	CopValue.....	7
5.2.9	CountryCode.....	7
5.2.10	DetectionMode.....	7
5.2.11	DescriptiveCharacteristics.....	8
5.2.12	EmissionUnit.....	8
5.2.13	EngineCharacteristics.....	8
5.2.14	EquipmentIccId.....	11
5.2.15	EquipmentObuld.....	11
5.2.16	EquipmentStatus.....	11
5.2.17	EuroValue.....	11
5.2.18	IssuerIdentifier.....	12
5.2.19	Latitude.....	12
5.2.20	DistanceUnit.....	12
5.2.21	LocalVehicleClassId.....	13
5.2.22	LocationClassId.....	13
5.2.23	Longitude.....	13
5.2.24	PaymentSecurityData.....	13
5.2.25	PayUnit.....	14
5.2.26	PersonalAccountNumber.....	14
5.2.27	ReceiptAuthenticator.....	15
5.2.28	ReceiptDistance.....	15
5.2.29	ResultFin.....	16
5.2.30	ReceiptIccId.....	16
5.2.31	ReceiptObuld.....	16
5.2.32	ResultOp.....	17
5.2.33	ReceiptServiceSerialNumber.....	19
5.2.34	ReceiptText.....	19
5.2.35	StationType.....	19
5.2.36	TariffClassId.....	19
5.2.37	Time.....	20
5.2.38	TimeClassId.....	20

5.2.39	TimeUnit	20
5.2.40	TrailerType	20
5.2.41	TyreConfiguration	21
5.2.42	UserClassId	21
5.2.43	VehicleAuthenticator	21
5.2.44	VehicleClass	21
5.2.45	VehicleCurrentMaxTrainWeight	22
5.2.46	VehicleTotalDistance	22
5.2.47	VehicleWeightLaden	22
5.2.48	WeekDay	22
5.3	Single level data types	23
5.3.1	AbsolutePosition2d	23
5.3.2	AbsolutePosition3d	23
5.3.3	AxleWeightLimit	23
5.3.4	AxleWeightLimits	24
5.3.5	DateCompact	24
5.3.6	DieselEmissionValues	24
5.3.7	DriverCharacteristics	25
5.3.8	Distance	25
5.3.9	Duration	25
5.3.10	EngineDetails	25
5.3.11	ExhaustEmissionValues	26
5.3.12	NumberOfAxles	26
5.3.13	ObeId	26
5.3.14	Particulate	27
5.3.15	PassengerCapacity	27
5.3.16	PaymentFee	27
5.3.17	Period	27
5.3.18	Provider	28
5.3.19	RelativePosition3d	28
5.3.20	SessionClass	28
5.3.21	SessionLocation	29
5.3.22	SignedValue	29
5.3.23	SoundLevel	29
5.3.24	TariffClassDescription	29
5.3.25	TimeCompact	30
5.3.26	TrailerDetails	30
5.4	Two-level data types	30
5.4.1	AxlesWeightLimits	30
5.4.2	ChargeObjectId	30
5.4.3	ContractValidity	31
5.4.4	DateAndTime	31
5.4.5	EnvironmentalCharacteristics	31
5.4.6	Lpn	32
5.4.7	PaymentMeans	32
5.4.8	PaymentMeansBalance	33
5.4.9	Point	33
5.4.10	PurseBalance	33
5.4.11	TrailerCharacteristics	33
5.4.12	ValidityOfContract	34
5.4.13	VehicleAxlesNumber	34
5.4.14	VehicleDimensions	34
5.4.15	VehicleWeightLimits	35
5.5	Three-level data types	35
5.5.1	EfcContextMark	35
5.5.2	ReceiptContract	35
5.5.3	ReceiptData	36
5.5.4	ReceiptFinancialPart	37
5.5.5	ReceiptServicePart	37
5.5.6	UserId	37
5.5.7	VehicleAxles	38
5.5.8	VehicleSpecificCharacteristics	38
5.6	Complex data types	38

5.6.1	AggregatedSingleTariffClassSession .....	38
5.6.2	DetectedChargeObject.....	39
5.6.3	VehicleDescription .....	40
<b>Annex A (normative)</b>	<b>EFC Common data type definitions .....</b>	<b>42</b>
<b>Bibliography</b> .....		<b>43</b>