

ISO 17573-3:2023-08 (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	4
5	EFC common data object definitions	5
5.1	General	5
5.2	Subtypes of simple data types	6
5.2.1	AccountStatus	6
5.2.2	ActualNumberOfPassengers	6
5.2.3	Altitude	6
5.2.4	Axles	7
5.2.5	CabType	7
5.2.6	ChassisType	7
5.2.7	Co2EmissionClass	8
5.2.8	Co2EmissionValue	9
5.2.9	Co2EmissionValueLoad	9
5.2.10	Co2Scheme	9
5.2.11	ContractAuthenticator	9
5.2.12	ContractSerialNumber	9
5.2.13	CopValue	10
5.2.14	CountryCode	10
5.2.15	DetectionMode	10
5.2.16	EmissionUnit	11
5.2.17	EngineCharacteristics	11
5.2.18	EquipmentLcId	13
5.2.19	EquipmentObId	13
5.2.20	EquipmentStatus	14
5.2.21	EuroValue	14
5.2.22	DistanceUnit	14
5.2.23	IssuerIdentifier	15
5.2.24	Latitude	15
5.2.25	LocalVehicleClassId	15
5.2.26	LocationClassId	15
5.2.27	Longitude	16
5.2.28	PaymentSecurityData	16
5.2.29	PayUnit	16
5.2.30	PersonalAccountNumber	17
5.2.31	RearWheelsSteeringType	17
5.2.32	ReceiptAuthenticator	18
5.2.33	ReceiptDistance	18
5.2.34	ResultFin	18
5.2.35	ReceiptLcId	19
5.2.36	ReceiptObId	19

5.2.37	ResultOp	19
5.2.38	ReceiptServiceSerialNumber	21
5.2.39	ReceiptText	21
5.2.40	StationType	21
5.2.41	SuspensionType	21
5.2.42	TariffClassId	22
5.2.43	Time	22
5.2.44	TimeClassId	22
5.2.45	TimeUnit	22
5.2.46	TrailerType	23
5.2.47	TyreConfiguration	23
5.2.48	UserClassId	23
5.2.49	VehicleAuthenticator	24
5.2.50	VehicleClass	24
5.2.51	VehicleCurrentMaxTrainWeight	24
5.2.52	VehicleTechnicalPermissibleMaxLadenMass	24
5.2.53	VehicleTotalDistance	25
5.2.54	VehicleUsageCategoryType	25
5.2.55	VehicleWeightLaden	26
5.2.56	WeekDay	26
5.3	Single level data types	26
5.3.1	AbsolutePosition2d	26
5.3.2	AbsolutePosition3d	27
5.3.3	AxleWeightLimit	27
5.3.4	AxleWeightLimits	27
5.3.5	DateCompact	28
5.3.6	DieselEmissionValues	28
5.3.7	DriverCharacteristics	28
5.3.8	Distance	28
5.3.9	Duration	29
5.3.10	EngineDetails	29
5.3.11	EuVehicleGroup	29
5.3.12	ExhaustEmissionValues	29
5.3.13	FutureCharacteristics	30
5.3.14	NumberOfAxles	30
5.3.15	Obeld	31
5.3.16	Particulate	31
5.3.17	PassengerCapacity	31
5.3.18	PaymentFee	31
5.3.19	Period	32
5.3.20	Provider	32
5.3.21	RelativePosition3d	32
5.3.22	SessionClass	32
5.3.23	SessionLocation	33
5.3.24	SignedValue	33
5.3.25	SoundLevel	33
5.3.26	TariffClassDescription	33
5.3.27	TimeCompact	34
5.3.28	TrailerDetails	34
5.3.29	WheelsConfiguration	34
5.4	Two-level data types	35
5.4.1	AxlesWeightLimits	35
5.4.2	ChargeObjectId	35
5.4.3	ContractValidity	35
5.4.4	DateAndTime	36
5.4.5	EnvironmentalCharacteristics	36
5.4.6	InitialVehicleRegistrationDate	36
5.4.7	Lpn	36
5.4.8	PaymentMeans	37
5.4.9	PaymentMeansBalance	38
5.4.10	Point	38

5.4.11	PurseBalance	38
5.4.12	TrailerCharacteristics	38
5.4.13	ValidityOfContract	39
5.4.14	VehicleAxlesNumber	39
5.4.15	VehicleDimensions	39
5.4.16	VehicleIdentificationNumber	39
5.4.17	VehicleWeightLimits	40
5.5	Three-level data types	40
5.5.1	EfcContextMark	40
5.5.2	ReceiptContract	40
5.5.3	ReceiptData	41
5.5.4	ReceiptFinancialPart	42
5.5.5	ReceiptServicePart	42
5.5.6	Userld	43
5.5.7	VehicleAxles	43
5.5.8	VehicleSpecificCharacteristics	43
5.6	Complex data types	44
5.6.1	AggregatedSingleTariffClassSession	44
5.6.2	DetectedChargeObject	45
5.6.3	VehicleDescription	46
Annex A (normative)EFCcommondatatypedefinitions		47
Bibliography		48