

Request for change
IVI - Initial Vehicle Information
Version 1.5

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1. Issues Version 1.4.

Change proposal

Field	CryptHashManufacturerRecord
Change	From 64 to 100 characters
XSD Grouping	Body, CocDataGroup
Format	A-N 100
XML Format	string

Field	FamilyIdentifierValue
Change	From 25 to 100 characters
XSD Grouping	Body, CocDataGroup, TestFamilyIdentifiersTable, TestFamilyIdentifiersGroup
Format	A-N 100
XML Format	string

Field	RoadLoadCoefFOWLTP
Change	Possibility to ad a negative value
XSD Grouping	Body, CocDataGroup, WLTPemissionTestParamGroup
Min/max value	minInclusive value='-999.999999'
Min/max value	maxInclusive value='999.999999'

Field	FinalDriveVehNumber
Change	From 1 to 2 positions

2. Additional Enumerations

Field	GearBoxTypeCode
Change	Add enumerations New gear box types due changes of the 2015/504 (agricultural vehicles) Also is gear box type applicable for M1.
Value collection	A, C, D, F, G, H, M, O, S, W D = Double clutch (gear change) H = Hydrostatic S = Semi-automatic (gear change)

Field	LocationOfTheVinCode
Change	Add enumerations

Value collection	D1 In the luggage or engine compartment
	D2 On frame front right

Field	TypeOfTyre
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Change	Add enumerations
Value collection	RFMS Reinforced M&S tyre

Field	LocOfTheStatutoryPlatesCode
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Change	Add enumerations
Value collection	D8 On frame front right

3. Re-instate use of fields (messagebook)

Field	FinalDriveNumber
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XSD Grouping	Body, CocDataGroup, GearGroup, GearRatioTable, GearRatioGroup, FinalDriveTable, FinalDriveGroup
Format	NUM 1
XML Format	nonNegativeInteger
Description	Unique sequential number in order to identify the final drives. 2018/1832: 28.1.2.
Usage	Please do not use this field anymore as it is available on a Vehicle level. The field to use instead is: FinalDriveVehNumber Use this field in case of multiple final drives on gear level

Field	FinalDriveRatio
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XSD Grouping	Body, CocDataGroup, GearGroup, GearRatioTable, GearRatioGroup, FinalDriveTable, FinalDriveGroup
Format	NUM 7,5
XML Format	decimal
Min/max value	minInclusive value='0'
Min/max value	maxInclusive value='99.99999'
Description	Final drive ratio 901/2014: 3.5.4.1. 2018/1832: 28.1.2.

Usage ~~Please do not use this field anymore as it is available on a Vehicle level. The field to use instead is: FinalDriveVehNumber~~
Use this field in case of multiple final drives on gear level

Field	FinalDriveRatioVeh
XSD Grouping	Body, CocDataGroup, FinalDriveVehTable, FinalDriveVehGroup
Format	NUM 7,5
XML Format	decimal
Min/max value	minInclusive value='0'
Min/max value	maxInclusive value='99.99999'
Description	Final drive ratio 2018/1832: 28.1.1. 901/2014: 3.5.4.1. 2015/504: 11.5.1.
Usage	Use this field in case of one (or more) final drives and are not related to the gear. Example; one gearbox and one finale drive in the rear-axle.

4. messagebook

In general the “Usage” references to the legislation have been removed from the messagebook. The references to the legislation have been updated. Please use the legislation itself to determine whether or not fields are mandatory or not. The “Usage” now only refers to the actual usage of the IVI schema itself.

5. New fields for version 1.5

Field	RecomTyrePressurePascalMin
XSD Grouping	Body, CocDataGroup, AxleTable, AxleGroup, TyreAxleTable, TyreAxleGroup, TyreAxlePressureTable, TyreAxlePressureGroup
Format	NUM 7,2
XML Format	decimal
Min/max value	minInclusive value='0'
Min/max value	maxInclusive value='99999.99'
Unit	kPa
Description	Recommended minimum tyre pressure 901/2014: 6.18.1.1 2015/504: 4.1.2.2.

Field	RecomTyrePressurePascalMax
XSD Grouping	Body, CocDataGroup, AxleTable, AxleGroup, TyreAxleTable, TyreAxleGroup, TyreAxlePressureTable, TyreAxlePressureGroup
Format	NUM 7,2
XML Format	decimal
Min/max value	minInclusive value='0'
Min/max value	maxInclusive value='99999.99'
Unit	kPa
Description	Recommended maximum tyre pressure
	901/2014: 6.18.1.1
	2015/504: 4.1.2.2.

6. New fields for version 1.5 (2019/318)

Field	ZeroEmisVehInd
XSD Grouping	Body, CocDataGroup
Format	A-N 1
XML Format	string
Value collection	Y, N
Description	49.2 Zero emission heavy-duty vehicle as defined in Regulation (EU) 2017/2400: yes/no (1), (t).

Field	VocationalVehicleInd
XSD Grouping	Body, CocDataGroup
Format	A-N 1
XML Format	string
Value collection	Y, N
Description	49.3 Vocational vehicle as defined in Regulation (EU) 2017/2400: (yes/no) (1), (u)

Field	CryptHashCustomerFile
XSD Grouping	Body, CocDataGroup
Format	A-N 100
XML Format	string
Description	Cryptographic hash of the manufacturer's record file. Only applicable for heavy duty vehicles of the category N2, N3 , M2 and M3. 2017/2400: 49.4

Field	SpecificCO2Emissions
XSD Grouping	Body, CocDataGroup, EngineTable, EngineGroup, FuelTable, FuelGroup

Format	NUM 9,5
XML Format	decimal
Min/max value	minInclusive value='0'
Min/max value	maxInclusive value='9999.99999'
Unit	gCO2/tkm
Description	49.5 Specific CO2 emissions 2017/2400

Field	AveragePayload
XSD Grouping	Body, CocDataGroup
Format	NUM 9,5
XML Format	decimal
Min/max value	minInclusive value='0'
Min/max value	maxInclusive value='9999.99999'
Unit	t
Description	Average payload value. 2017/2400: 49.6.