Request for change
IVI - Initial Vehicle Information
Version 1.4

Date : November 2018
Version: 1.0
Status: Final version

Content

1. Messagebook corrections

Request	
Field	**HybridVehIndicator**
Usage 1.3	This field is mandatory for complete vehicles of the categories M and N. This field replaces HybridIndicator.
Usage 1.4	This field is mandatory for complete vehicles of the categories M3, N3. This field replaces HybridIndicator.

2. Correction of fields

Request	Add new field
Field	CoCDataGroup TotalCO2WLTPEmisSavDueEcoInnov
Replace by	FuelGroup TotalCO2WLTPEmSavDueEcoInnFuel
Reason	The field has to be defined on Fuel level.
Description	**TotalCO2WLTPEmisSavDueEcoInnov** This field has been moved to Fuel level. Please do not use this field anymore as of this version. **TotalCO2WLTPEmSavDueEcoInnFuel** This field has to be used instead of TotalCO2WLTPEmisSavDueEcoInnov.

Field	**GearRatio**
XSD Grouping	Body, CocDataGroup, GearGroup, GearRatioTable, GearRatioGroup
Format	NUM 7,5 *Has to be changed to NUM 10,6*
XML Format	decimal
Description	Gear ratios 2007/46/EC: 29. 2002/24/EC: 29. 901/2014: 3.5.4. 2015/504: 11.5.

Field	VersionNumberXsd
Value collection	1.1, 1.2, 1.3, 1.3.1, 1.4
Description	The version number of the xsd of the IVI message. Format: 00.00 By adding attributes, the sub number increases. If structural changes occur, then the main number increases.
Update Description	By extending enumerations or message book updates, the last sub number increases By adding attributes, the second number increases. If structural changes occur, then the first number increases.

Field	WLTPLowCO2
Format	NUM 5,2 *Has to be changed to NUM 6,2*
Change	**Current** <xs:restriction base="**xs:decimal**"><xs:totalDigits value="**5**"/><xs:fractionDigits value="**2**"/><xs:minInclusive value="**0**"/><xs:maxInclusive value="**999.99**"/> **Change** <xs:restriction base="**xs:decimal**"><xs:totalDigits value="**6**"/><xs:fractionDigits value="**2**"/><xs:minInclusive value="**0**"/><xs:maxInclusive value="**9999.99**"/>

3. New fields

Field	OdometerReadingUnitCode
XSD Grouping	Body, CocDataGroup
Format	A-N 1
XML Format	string
Value collection	K, M
Description	This field is to be used for registration of the unit of the actual reading of the odometer at a certain moment in time. It states the unit of the distance the vehicle has driven. Only relevant for Individual Vehicle Approval not to be used in

	case of CoC. 183/2011 IAC: 53. Values: K = Kilometers (metric) M = Miles (imperial)

Field	**CryptHashManufacturerRecord**
XSD Grouping	Body, CocDataGroup
Format	A-N 64
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. The HASH shall be defined a string of the length of precise 64 digits. The HASH only consists of small letters and numbers, therefore the string shall be restricted to them and shall exclude for example spaces, capital letters, additional characters or any other character. <xs:simpleType name="CryptHashManufacturerRecord"> <xs:restriction base="xs:string"> <xs:minLength value="64"/> <xs:maxLength value="64"/> <xs:pattern value="[a-z0-9]*"/> </xs:restriction> </xs:simpleType> Example: a74c5d88c771f2dba606c8063f8690e559578636037fb44d9c8ee8811c846175

4. Package 4 Changes WLTP

ANNEXES
to the Commission Regulation amending Directive 2007/46/EC,
Commission Regulation (EC) No 692/2008 and
Commission Regulation (EU) 2017/1151
for the purpose of improving the emission type approval tests and procedures for light passenger and commercial vehicles, including those for in-service conformity and real-driving emissions and introducing devices for monitoring the consumption of fuel and electric energy.

Annex IX is amended as follows:

(a) Part I is amended as follows:

0.2.3. Identifiers (if applicable)

0.2.3.1. interpolation family's identifier
0.2.3.2. ATCT family's identifier
0.2.3.3. PEMS family's identifier
0.2.3.4. Roadload family's identifier
0.2.3.5. Roadload Matrix family's identifier (if applicable)
0.2.3.6. Periodic regeneration family's identifier
0.2.3.7. Evaporative test family's identifier

Field	FamilyIdentifierCode
XSD Grouping	CoCDataGroup TestFamilyIdentifiersTable TestFamilyIdentifiersGroup FamilyIdentifierCode
Format	A-N 5
XML Format	string
Description	Unique identifier for a grouping of vehicles as defined in the guideline. 2018/1832 : 0.2.3.1 - 0.2.3.7 Possible values: IP Interpolation family as defined in paragraph 5.6 RL Road load family as defined in paragraph 5.7

	RM Road load matrix family as defined in paragraph 5.8 PR Periodically regenerating systems family as defined in paragraph 5.9 AT ATCT family as defined in paragraph 2. of Sub-Annex 6a. EV Evaporative emissions family identifier PEMS Portable emissions management system

Field	FamilyIdentifierValue
XSD Grouping	CoCDataGroup TestFamilyIdentifiersTable TestFamilyIdentifiersGroup FamilyIdentifierValue
Format	A-N 24
XML Format	string
Description	Value for a unique identifier for grouping of vehicles as defined in the guideline. 2018/1832 : 0.2.3.1 - 0.2.3.7 Each of the vehicle families defined in paragraph 5.6 to 5.9 shall be attributed a unique identifier of the following format: FT-nnnnnnnnnnnnnn-WMI-x FT = Family identifier (for instance IP) n = a string with a maximum of 15 characters restricted tot using the characters 0-9, A-Z and the underscore character '_'. WMI = World manufacturer identifier. Is a code that identifies the manufacturer in a unique manner defined in ISO 3780:2009. x = shall be set to "1" or "0" in accordance with the provisions as stated in the guideline. For family identifier PEMS the coding consists of: MS-OEM-X-Y MS = Distinguishing number of the Memberstate (for instance "e1")

	OEM = 3 character manufacturer X = sequential number identifying the original PEMS test family Y = counter for its extensions See Regulation for further details.

Field	**CO2DeterminationTyreInd**
XSD Grouping	Body, CocDataGroup, AxleTable, AxleGroup, TyreAxleTable, TyreAxleGroup, CO2DeterminationTyreInd
Format	A-N 1
XML Format	string
Description	To indicate which tyre has been used for the CO2 determination. 2018/1832: 35. Values: Y = Yes N = No

Field	**TyreCategoryCode**
XSD Grouping	Body, CocDataGroup, AxleTable, AxleGroup, TyreAxleTable, TyreAxleGroup, TyreCategoryCode
Format	A-N 5
XML Format	string
Description	Tyre category. Classification of tyres 1. Tyres shall be classified as follows: (a) class C1 tyres — tyres designed primarily for vehicles of categories M 1 , N 1 , O 1 and O 2 ; (b) class C2 tyres — tyres designed primarily for vehicles of categories M 2 , M 3 , N, O 3 and O 4 with a load capacity index in single formation ≤ 121 and the speed category symbol ≥ ‘N’; (c) class C3 tyres — tyres designed primarily for vehicles of

	categories M 2 , M 3 , N, O 3 and O 4 with one of the following load capacity indices: (i) a load capacity index in single formation ≤ 121 and the speed category symbol ≤ 'M'; (ii) a load capacity index in single formation ≥ 122. A tyre may be classified in more than one class provided that it meets all the relevant requirements of each class in which it is classified. 2. The list of load-capacity indices and their corresponding masses contained in UNECE Regulations 30 and 54 shall apply. 2018/1832: 35. Values: C1, C2, C3

Field	**ProjectFrontAreaAirFrontGrill**
XSD Grouping	CoCDataGroup, WLTPEmissionTestParamGroup, ProjectFrontAreaAirFrontGrill
Format	NUM 6
XML Format	nonNegativeInteger
Unit	cm 2
Description	Projected frontal area of air entrance of the front grille (if applicable), cm2: … 2018/1832: 47.1.2.1.

Field	**DrivingCycleClassCode**
XSD Grouping	CoCDataGroup, WLTPEmissionTestParamGroup, DrivingCycleClassCode
Format	A-N 3
XML Format	string
Description	Drive cycle class: … to identify the drive cycle class, which depends on the Power/Weight ratio of the vehicle and the max. velocity

	Class 1 ≤ 22 W/kg Class 2 > 22 ≤ 34 W/kg Class 3a > 34 W/kg Vmax < 120 km/h Class 3b > 34 W/kg Vmax ≥ 120 km/h 2018/1832: 47.2.1. Possible values: 1 , 2 , 3a, 3b

Field	**DownscalingFactor**
XSD Grouping	CoCDataGroup, WLTPEmissionTestParamGroup, DownscalingFactor
Format	NUM 2,3
XML Format	decimal
Description	Downscaling factor (fdsc) Downscaling factor: calculated factor in case the vehicle cannot follow the speed / time requirements of the driving cycle. This field can contain a negative value. 2018/1832: 47.2.2.

Field	**CappedSpeedIndicator**
XSD Grouping	CoCDataGroup, WLTPEmissionTestParamGroup, CappedSpeedIndicator
Format	AN-1
XML Format	string
Description	Capped speed: field to indicate if de maximum speed of the vehicle is lower than the maximum speed of the cycle. The vehicle would be technically able to follow the speed trace of the cycle but are capped by a speed limiter. 2018/1832: 47.2.3. Possible values: Y = Yes

	N = No

5. Request memberstates

Field	LastPossDateOfRegistration
XSD Grouping	TechnicalDataGroup
Format	DAT
XML Format	date
Description	The last possible date the vehicle can be registrerred, due to end of series.
Requested for by	Germany