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Subject: EU vehicle identification

Posted by [Joerg von Lingen](#) on Sat, 05 Feb 2011 13:18:55 GMT

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Hello users,

it was suggested to add additional elements at <classification> for the vehicle identification described by EU paper DV51EN01 annex P or UIC 438. A sample would like the following:

```
....
<classification>
  <vehicleIdentifications>
    <vehicleIdentification typeOfVehicle="00" registeredCountry="00"
      technicalCharacteristics="0000" serialNumber="000" checkDigit"0"
      countryCode="xxx" vehicleKeeperMarking="xxxxx">
    </vehicleIdentification>
    <vehicleIdentification typeOfVehicle="00" registeredCountry="00"
      technicalCharacteristics="0000" serialNumber="000" checkDigit"0"
      countryCode="xxx" vehicleKeeperMarking="xxxxx">
    </vehicleIdentification>
  </vehicleIdentifications>
</classification>
....
```

As the identification with a particular serial is limited to one vehicle the element may occur several times within the description of vehicle class.

The alternative proposal would be to add only the element <vehicleIdentification> at <operator> as there is some operator dependent information encoded.

It is also questionable, whether the splitting of national block (5.-11. digit) into technical characteristics (4 digits) and serial (3 digits) is always used that way?

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Mit freundlichen Grüßen/Best regards,

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Jörg von Lingen

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Subject: Re: EU vehicle identification

Posted by [Carsten Weber](#) on Thu, 24 Feb 2011 11:48:15 GMT

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thanks for your suggestion to define a detailed vehicle identification.

- > it was suggested to add additional elements at <classification> for the
- > vehicle
- > identification described by EU paper DV51EN01 annex P or UIC 438. A sample
- > would
- > like the following:

We just have to make sure that this systems works also outside of TSI for which the named paper is defined.

- > ...
- > <classification>
- > <vehicleIdentifications>
- > <vehicleIdentification
- typeOfVehicle="00"

-> This attribute should be taken out of a single vehicle identification.  
The type of vehicle is defined an it is independent from each data set.

registeredCountry="00"

-> This attribute should get a name including UIC-number or something like that. There is already something defined at the infrastructure data.

- > technicalCharacteristics="0000"
- > As it is named in the UIC 438. Maybe it should be explained as "series" inside of the documentation. Basetype for the attribute should be a non negative integer. The limitation up to four digit is only done for EU-vehicle identification.

- > serialNumber="000"
- > In addition to the number it should also be possible to give the vehicle a name as an unlimited string like "Saxonia".
- > It would also be helpful to define a serialBegin and serialEnd to be able to summarise several vehicles in one entry of vehicle identification. So there should be a constrain which says either (serialNumber or vehicleName) or (serialBegin) and a second one which says serialBegin requires an serialEnd-attribute.

- > checkDigit"0"
- > It's ok. ;)

- > countryCode="xxx"
- > A link in the documentation to the defined countryCodes would be helpful.

- > vehicleKeeperMarking="xxxxx">
- > A vehicleOperator would also be useful.

So the operator-dataset includes only the information of a begin and end date of this vehicle data set at this operator. Maybe this information could

also be moved to the vehicle Identification.

- > As the identification with a particular serial is limited to one vehicle
- > the
- > element may occur several times within the description of vehicle class.

As written above my/our suggestion would be two additional attributes seriesBegin and seriesEnd to define more than vehicle inside of the vehicle identification.

- >
- > The alternative proposal would be to add only the element
- > <vehicleIdentification> at <operator> as there is some operator dependent
- > information encoded.

>

My suggestion is to keep it outside of operator and mark operator as out-of-date to be taken away in version 3.0.

- > It is also questionable, whether the splitting of national block (5.-11.
- > digit)
- > into technical characteristics (4 digits) and serial (3 digits) is always
- > used
- > that way?

So they should be defined as none negative integer.

Users have to take care whether they will read a TSI-vehicle-identification or any other way of defining vehicle identification.

Best regards.

Carsten

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