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Subject: Re: [railML2] Extension proposal: new attributes for <category>

Posted by [Torben Brand](#) on Mon, 23 Nov 2020 20:01:59 GMT

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Hi Christian and the rest of the railML-community,

We think that any organisationsUnit that has created a <category> can be referenced.

#### Adding organization-specific or custom categories

If there is a need to define more detailed categories in addition to the common top-level categories listed above, they can be created by adding new ones. Any new category must be linked to an existing parent category, which can be either a top-level category or another organization-specific one. By following the values of the attribute @nor:parentRef, one must always be able to trace a new category to one of the top-level categories. All new categories must declare the organisational unit that created it.

#### Charge categories

For charge categories for billing purposes of the access charge (named "produktkode for markedssegmentering» by Bane NOR), make new operational category instances with @nor:parentRef to the relevant operational category listed here.

#### Marketing categories

For commercial categories to the public for marketing purpose (named "togtype" by Bane NOR), make new product category instances with @nor:parentRef to the relevant product category listed here.

Typical use case in Norway is:

Type of category-Organisation name-Organisation type-Parent Ref:

Operational-Bane NOR-InfrastructureManager-none

Product-Jernbanedirektoratet-customer-none

Charge-Bane NOR-InfrastructureManager-operational

Marketing-Vy-railwayUndertaking-product

Code example:

```
<categories>
  <category id="c1" code="Pt" name="Persontog"
    trainUsage="passenger"/>
  <category id="c2" code="T1" name="Trafikkpk.1/SB"
    trainUsage="passenger"
    nor:organizationalUnitRef="[@id for "Bane NOR"]"
    nor:parentRef="c1"/>
  <category id="c3" code="FJ" name="Fjerntog"
    trainUsage="passenger"/>
  <category id="c4" code="Sø" name="Sørtoget"
    trainUsage="passenger"
    nor:organizationalUnitRef="[@id for "GO Ahead"]"
    nor:parentRef="c3"/>
```

```
</categories>
...
<trainpart id="tp1" categoryRef="c4">
...
<train>
  <trainpartSequence categoryRef="c2">
    <trainPartRef ref="tp1"/>
```

For further explanation of the proposed <category> extensions, please see the railML2.4norTT documentation chapter 4.1 here: [https://www.jernbanedirektoratet.no/globalassets/documenter/railml/20200703\\_railml2.4norTTdocumentation\\_v1.0.pdf](https://www.jernbanedirektoratet.no/globalassets/documenter/railml/20200703_railml2.4norTTdocumentation_v1.0.pdf)

Kind regards

Torben Brand  
Jernbanedirektoratet

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