Subject: Re: railML 2.3 infrastructure extension proposal - locks
Posted by christian.rahmig on Mon, 02 Jan 2017 16:30:40 GMT
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Dear Torben,

Am 20.12.2016 um 18:29 schrieb Torben Brand:
> [...]
> ocsElements
> Locks are simple physical lineside elements that can only
> have two states: locked or unlocked. Locks reference to
> which objects they lock. Their relationship will later be
> defined in the interlocking scheme. The element <ocsElements> is
> extended with the new element
> <locks> with sub element <lock> with attributes @objectRef
> and @type [datatype: enumeration] with 5 Norwegian presets,
> the value "ERTMS" and "other:".

The lock (de: "Schlüsselsperre") is a device that is relevant for
interlocking purposes. At the same time, it is a physical element and
thus should be part of the railway infrastructure model. Currently,
modelling a lock with railML 2.3 would look like this:

```
<track ...>
  ...
  <ocsElements>
    <trainProtectionElements>
      <trainProtectionElement id="tpe01" pos="123.4" description="lock">
      </trainProtectionElement>
    </trainProtectionElements>
  </ocsElements>
</track>
```

Your approach to introduce a new element <lock> is more straightforward
and it fits better considering that a lock is not a train protection
element like an Indusi magnet. If there are use cases requiring the
specific definition of locks, I appreciate having them included in the
railML infrastructure model. Which objects are referenced by
<lock>@objectRef? What are the 5 Norwegian presets for the attribute
<lock>@type?

Best regards
Christian

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