Subject: Re: Platforms and ramps for railML 2.2
Posted by Christian Rahmig on Sun, 16 Sep 2012 07:48:53 GMT
View Forum Message <> Reply to Message

Dear railML users,

> 1. <trackElements> will be extended with a new element named
> <serviceSection> for modelling platforms, ramps and related facilities.
>
> 2. The new element <serviceSection> describes the part ("section") of a
> track, which can be used for the exchange of passengers, goods or similar.
>
> 3. Attributes for this new element include:
>   - position information: defines the starting position and direction
> of the serviceSection
>   - length: the section length which is defined as the actually usable
> length (NOT the physically existing platform/ramp which can be longer)
>   - height: the objects's height in mm above rails (for feasible types
> only)
>   - type: enumeration of
>   "platform" (passanger platform)
>   "ramp" (ramp for loading / unloading goods)
>   "maintenance" (maintenance facilities e. g. in a depot)
>   "loadingFacility" (Goods can be (un-)loaded from the wagon's
> top / underfloor)
>   "cleaning" (washing facility for cars and engines)
>   "fueling" (facility for re-fuelling of engines)
>   "parking" (section for parking of rolling stock)
>   "preheating" (electricity or steam for pre-heating purposes)
>   "other"
>   - side: right, left (seen in positive mileage direction)
>
> 4. Each <serviceSection> can have multiple types. Tracks with platforms
> on both sides need two <serviceSection> elements to force the definition
> of different platform names.
>
> 5. Additional semantics:
>   - name: the name contains the platform number (e.g. "3")
>   - The associated OCP can be de-referenced from the OCP's <trackGroup>

including the comments from Dirk and the discussions with the other
schema coordinators, platforms and service sections will be implemented
in railML 2.2 as follows (c.f. [1]):

1. <trackElements> will be extended with two new elements:
<platformEdges> for modelling platforms
<serviceSections> for modelling ramps and related facilities like
maintenance and fueling areas.

2. A <platformEdge> contains the following attributes:
    - position information: defines the starting position and direction of the platform
    - length: the length of the platform from an operational view (usable length)
    - height: the platform's height in mm above rails
    - side: right, left (seen in positive direction of the track)

3. A <serviceSection> contains the following attributes:
    - position information, length, height and side as described for the platformEdge
    - various boolean attributes for a functional classification of the service section. A service section may fulfill multiple functions and therefore multiple boolean attributes may be set true.

[1] https://trac.assembla.com/railML/ticket/122

Regards

--
Christian Rahmig
railML.infrastructure coordinator