
Subject: Re: Platforms and ramps for railML 2.2

Posted by [Christian Rahmig](#) on Sun, 16 Sep 2012 07:48:53 GMT

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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

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