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Subject: Platforms and ramps for railML 2.2

Posted by [Christian Rahmig](#) on Thu, 22 Mar 2012 21:19:09 GMT

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Hello everyone,

considering the Trac ticket #122 [1], we are thinking about the introduction of a datatype for platforms and ramps with the next release 2.2. So, this is how it may look like:

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>

It would be nice to hear your opinion about this model approach. Are there any important parameters missing?

Best regards.

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

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