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Subject: Something about platforms, platformEdges, serviceSections and their relation to a track

Posted by [Carsten Weber](#) on Tue, 20 Nov 2012 10:03:17 GMT

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Dear infrastructure users,

regarding to the current developer version and the discussions at the

1. At the moment I can not see any real difference between the `<platformEdge>` and the `<serviceSection>`. The `<platformEdge>` is predefined for passenger exchange and `<serviceSection>` describes the same things for all other things which can be exchanged between vehicles and the current station. So for me it is usefull to combine both elements by adding the boolean attribute `/passengerExchange/` to the `<serviceSection>`. Please make sure that such combined "platforms" exist. For example at Wien Westbahnhof you can load or unload your car at the same platform where you board or disembarque the coaches. It think it is not a use case to describe this platform as a `<platformEdge>` and a `<serviceSection>` too.

2. Both elements (`<serviceSection>` and `<platformEdge>`) are at the moment a child of ONE track. This will bring trouble in a case where you will find a point at the platform section if you use the microscopic infrastructure model. So you have to change the track at the platform. In the current version you will find the first section at track A and the second section at track B but both sections are one and the same platform. At the end it means you have to put the elements at the same level like tracks. So every element has to have the option to define one or more relations to a track. This relation includes the ref to a track, the position at the track, the direction, the side and so one. For further use it would be usefull to group these coordinates in an attribute group to recall them several times and for use in other elements which might be described in the (near?) future. (This topic is the same for tunnels, bridges, levelCrossings and so on.)

3. It would be usefull to implement an element like `<platform>` which has several childs like `<serviceSection>` or `<platformEdge>` (or maybe both). So you can find out whether a connection will be done at the same platform or not. This is helpful if you do some routing for passenger information. This mother element can also include the link to an ocp so it can be taken away from the `<platformEdge>`. So you are also able to link a `<platform>` or a `<platformEdge>` depending on the information you want to give to the following systems.

`<platformEdges>` from an ocpTT. (This is more topic for timetable scheme).

Best regards.

Carsten

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