
Subject: [railML2] Adding a new element informationArea to ocp

Posted by [Milan Wölke](#) on Mon, 24 May 2021 10:58:45 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi,

in the timetable developer group we recently discussed passenger information in trains and its support by railML. Many of the timetable extensions for railML 2.5 are inspired by the need of feeding systems related to passenger information using railML. Most of these could be handled inside the timetable subschema itself.

However we recently came across some requirements that would be best modelled by extending the infrastructure subschema. In particular we were thinking about ways to describe when a special text on a display should be shown and when it should be removed again. The requirement from the community is that this should be possible when entering or leaving a certain area that can be defined around a point in the infrastructure. From our point of view such area would best be defined in the infrastructure subschema as part of the OCP.

Looking at the existing work in infrastructure we came up with this idea for modelling areas like that:

So below `//infrastructure/operationControlPoints/ocp/propOther` we would like to add "informationAreas" as a container, that can be filled with informationArea elements, each specifying an id for later referencing from timetable. Each informationArea would define its shape around the OCP as a set of coordinates. We so far discussed rectangle, polygon and circle. While the definition of circle and polygone is pretty clear to us, we would appreciate help in modelling rectangular areas. Our discussing showed that using two points like we usually do in computer graphics will not work. So also here we would like to benefit from the experience of the infrastructure group.

So to sum it up, we want to add information areas to the OCPs and we would need help in describing a rectangular area in a non redundant way with geocoordinates.

What is your opinion? What should the name of such information area be? Can you help us with the rectangle?

Thanks in advance for any support you can render.

Best regards, Milan

File Attachments

1) [infoArea.png](#), downloaded 943 times
