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Subject: Re: [railML3] Booster transformers in RailML  
Posted by [Jörg von Lingen](#) on Tue, 17 Oct 2023 05:51:30 GMT  
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Dear all,

there are special configurations of electrification sections using additional transformers:

1) booster transformers to drain the traction currents from the rail into a return feeder  
When used these booster transformers are located at insulated sections within the catenary. Thus it might be enough just to mark the electrificationSection with `isInsulatedSection="true"` also with `boosterTransformer="true"`. This will implicitly give the location of the booster transformer. But maybe there are some electrical data needed in addition like nominal current or power of such transformer.

2) autotransformers in electrification systems like 2x25kV AC to reduce voltage drop by splitting it in catenary and negative feeder

When used these autotransformers are distributed over an electrification section without any separation in catenary. Thus the need of an additional element with relation to an electrificationSection and a spotLocation is suggested to get their location and needed electrical data.

At the moment no other railML user has requested such information yet.

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