

---

Subject: [railML3|alpha] Missing track conditions

Posted by [Martin Karlsson](#) on Mon, 31 Oct 2016 13:43:12 GMT

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

---

The ETCS language, according to Subset 26 chapter 7, allows sending information to a train about a number of different track conditions. railML does not, in version 3.0.is4, support defining all of these.

railML covers definition of traction power (ETCS packet 39). It can be discussed if the ERA list of traction codes should be used instead of explicitly defining voltage and frequency, but the current way is certainly more informative.

railML also covers the route suitability information (packet 70), i.e. loading gauge profile, max axle load and (again) traction power.

railML is currently missing possibilities to define "big metal masses" (packet 67) and the ten different track conditions of packet 68: three types of non stopping areas, two types of powerless sections, radio hole, air tightness and commands to switch off three types of brakes.

I suggest to add one or more new classes to the "operation" section, to model the missing track conditions.

---