

---

Subject: [railML3] measure and distance in linear positioning systems

Posted by [christian.rahmig](#) on Fri, 30 Aug 2024 08:35:47 GMT

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

---

Dear all,

have you ever wondered what the attribute @measureToNext in  
//linearPositioningSystem/anchor/ is used for?

If not, you may be aware of the best practice documentation on the wiki page of the <anchor>  
element [1]

However, the attribute name @measureToNext is little bit confusing. because the other anchor  
attribute, which describes the linear position value, is named @measure, too. What  
@measureToNext actually describes is a distance. It is the distance from this anchor until the next  
anchor or until the end of the linear positioning system. Therefore, I suggest to rename  
@measureToNext into @distanceToNext. The topic is already documented in a new ticket [2].

What are your ideas on this proposal?

What about the datatype for the @distanceToNext? Shall it be fixed with tLengthM in metres, or  
shall we leave the unit open to be decided by the user (@units is an already existing attribute in  
linearPositioningSystem)?

As usual, any feedback is highly appreciated.

Best regards  
Christian

[1] <https://wiki3.railml.org/wiki/RTM:anchor>

[2] <https://development.railml.org/railml/version3/-/issues/566>

---