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Subject: Re: SI units in railML 3.x

Posted by [Ferri Leberl](#) on Tue, 22 May 2018 12:34:48 GMT

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Dear all,

I have listed the simple types that are connected with units in

<https://trac.railml.org/ticket/317#comment:3>

(for railML version 2.3)

It seems, that several simple Types are never used:

tWeightKG tSpeedMPerSec tAngleDeg

One could argue that these simple types can be removed, as they are not used, on the other hand, two of them use are SI units, so removing them would thwart the idea of converging towards SI units.

As Dirk Bräuer mentioned, in some cases it is not preferable to convert values between different units because of rounding errors.

A possible rule could be to keep non-SI units which are prone to rounding errors (e.g. km/h, miles per hour), but to remove non-SI units that where rounding errors are unlikely (e.g. millimetres can be converted into meters with mere point shifting). Further examples are

I hope to hear your opinions soon.

Yours, Ferri Leberl

Mag. Ferri Leberl - Documentation

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