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Subject: Description of values for powerType, transmission, controlType of RS:propulsion

Posted by [Joerg von Lingen](#) on Sun, 14 Jul 2019 04:37:38 GMT

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Dear all,

the wiki (<https://wiki.railml.org/index.php?title=RS:propulsion>) currently does not contain a clear description of the enumeration values. Not in every case it is really obvious. The technology development may also contribute in some more variants.

powerType - the source of energy for propulsion of the vehicle  
Currently we have [electric, diesel, steam] but what about new forms like hybrids, fuel cell, battery etc?

transmission - the way to transmit and adjust the power to the drive  
Currently we have [electric, hydraulic, mechanical]. Are there any other ways of transmission?

Although not described in the wiki "hydraulic" stands for hydrodynamic and hydrostatic transmission. The latter one is not really used for locomotive traction why a discrimination would thought not necessary.

controlType - the way to control the power output of the traction drive  
Currently we have [camshaftControl, contactorControl, rectifier, thyristorControl]. Are there any other ways of control?

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Best regards,  
Joerg v. Lingen - Rollingstock Coordinator

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