## Subject: Rollingstock scheme V1.03 released

Posted by [Joerg von Lingen](#) on Thu, 09 Feb 2006 06:44:37 GMT

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The latest version of rollingstock scheme is available on the RailML-Server. There were quite a lot of new elements and attributes introduced since version 1.0. They are for detailed description of the propulsion system considering various supply systems and state-of-the-art technology.

There was only one important change, i.e. renaming of element 'compositionType' according to the
proposal.

Find here the detailed list of changes:
V1.01 adding 'auxPowerConsumption' in 'wagonType' element
 changing element 'propulsion' to occur 0 upto unbounded
 changing element 'valueLine' element to occur 1 upto unbounded
 change of enumeration of 'supply' attribute in 'propulsion' to have consistently DC values in Volts and AC values in Kilovolts
 declaring the following elements globally, which are referred to afterwards:
 - 'engine'
 - 'propulsion'
 - 'wagon'
 - 'efficiency'
 - 'mechanicalLosses'
 - 'tractiveEffort'
 - 'brakeEffort'
 - 'mechBrakeEffort'
 - 'formation'
 - 'trainResistance'
V1.02 adding child element 'eddyCurrentBreak' to 'brakesType'
 adding child element 'pulsPatterns' to 'tractionInverterType'
 adding enumeration values to attribute 'supply' from 'propulsionType'
 adding attribute 'maxBrakePower' to 'propulsionType'
 adding attribute 'nomRevolutions' to 'tractionMotorType'
 adding default value "1" for attribute 'formationCount'
 change 'valueTableType', adding information about x-axis, y-axis and z-axis units and names using
the new 'unitType' as enumeration
 renaming 'parameter' in 'columnHeader' to 'zValue' and adding 'zValueName' and 'zValueUnit' for information
 change 'columnHeader' to optional occurance
 renaming 'compositionType' to 'formationType' in order to avoid confusion with 'compositionType' in
timetable scheme
V1.03 adding 'currentType' for net current curve in traction or braking
 adding 'currentLimitationType' for max. net current curve vs. net voltage in traction and braking
 adding elements 'tractiveCurrent', 'brakeCurrent', 'tractiveCurrentLimitation',
'brakeCurrentLimitation', 'tractiveVehicleEfficiency' and 'brakeVehicleEfficiency' as part of the

'propulsion' element
 adding unitTypes V, kV, W, kW, MW, VA, kVA, MVA
 adding attribute 'meanEfficiency' type 'fourQuadrantChopperType', 'tractionInverterType',
'gearType', 'tractionMotorType' and 'trafoType'
 adding attribute 'auxCosphi' to element 'auxSupply'
 adding attributes 'totalTractEfficiency' and 'totalBrakeEfficiency' to 'propulsion' element
 adding element 'cosphi' to 'fourQuadrantChopper' as kurve and renaming attribute 'cosphi' to
'meanCosphi'
 adding attriute 'tractionOffUndervoltageThreshold' to 'propulsionType'

Regards,
Jörg von Lingen