## 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