

Design-data for EMSAT

Data for geometry

We need a technical drawing from the rail-road with following contents:

1. Line data

straight	}	linear
radius		Ruch
curve-types:		Bloss
(transition)		Sin
		Cos
		s-type
		Lindberg
2. cant left/right (in Millimeter)
3. leveling slope-change smooth-radius
 startslope length of tangent or complet curve
 slope after slope-change
4. location for all geometry-alteration [km, m]

Data for fixpoints

1. location of this fixpoint
2. horizontal offset/distance between fixpoint and track-axle (or reference rail)
3. vertical offset between fixpoint and rail surface (top)
4. name of this point
5. nominal-cant at this point

Specially data for switches

1. Name/number of the switch
2. location of switch-begin
3. geometry-data of the switch (teeing cord radius etc.)

Specially data for double line tracks

1. distance between tracks

Specially data for platforms

1. horizontal offset/distance between platform and track-axle (or reference rail)
2. vertical offset between platform-top and rail surface (top)