Snippets

Version 0.7.0 from 2022-04-02
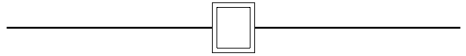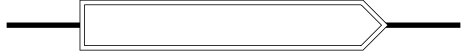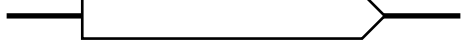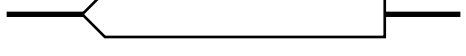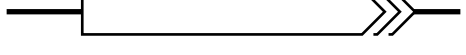
No.	Name	Clip	Code	Manual reference

1	main track		```\coordinate (A) at (0,0);```
			```\coordinate (B) at (6,0);```
			
			```\maintrack (A) -- (B);```
				topology
				Section 3.2.1 p. 6

2	main line (double track)		```\coordinate (A1) at (0,-0.5);```
			```\coordinate (B1) at (6,-0.5);```
			```\coordinate (A2) at (0, 0.5);```
			```\coordinate (B2) at (6, 0.5);```
			
			```\maintrack (A1) -- (B1);```
			```\maintrack (A2) -- (B2);```
				topology
				Section 3.2.1 p. 6

3	secondary track		```\coordinate (A) at (0,0);```
			```\coordinate (B) at (6,0);```
			
			```\secondarytrack (A) -- (B);```
				topology
				Section 3.2.1 p. 6

4	track number		```\coordinate (A) at (0,0);```
			```\coordinate (X) at (3,0);```
			```\coordinate (B) at (6,0);```
			
			```% order is important```
			```\maintrack (A) -- (B); % first```
			```\tracklabel at (X) label (No.); % secound```
				topology
				Section 3.2.1 p. 7

5	bufferstop (forward)		```\coordinate (A) at (0,0);```
			```\coordinate (B) at (3,0);```
			
			```\maintrack (A) -- (B);```
			```\bufferstop[forward] at (B);```
				topology
				Section 3.2.1 p. 7

6	bufferstop (backward)		```\coordinate (A) at (3,0);```
			```\coordinate (B) at (6,0);```
			
			```\maintrack (A) -- (B);```
			```\bufferstop[backward] at (A);```
				topology
				Section 3.2.1 p. 7

7	friction bufferstop (forward)		```\coordinate (A) at (0,0);```
			```\coordinate (B) at (3,0);```
			
			```\maintrack (A) -- (B);```
			```\bufferstop[forward,friction=.5] at (B);```
				topology
				Section 3.2.1 p. 7
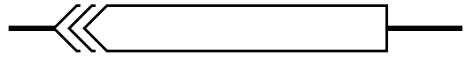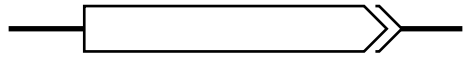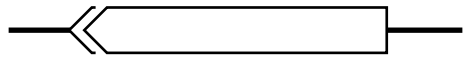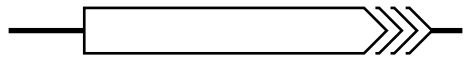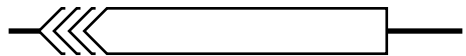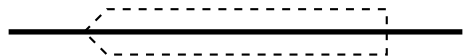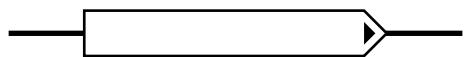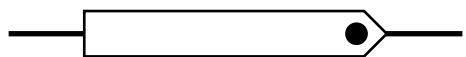
No.	Name	Clip	Code	Manual reference

8	friction bufferstop (backward)		`\coordinate (A) at (3,0);`
			`\coordinate (B) at (6,0);`
			
			`\maintrack (A) -- (B);`
			`\bufferstop[backward,friction=.5] at (A);`
				topology
				Section 3.2.1 p. 7

9	track closure		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (3,0);`
			
			`\maintrack (A) -- (B);`
			`\trackclosure at (B);`
				topology
				Section 3.2.1 p. 7

10	turnout left (forward)		`\coordinate (A) at (0,0);`
			`\coordinate (Y) at (3,0);`
			`\coordinate (B) at (6,0);`
			
			`\maintrack (A) -- (B);`
			`\maintrack (Y) -- ++(1,1);`
			`\turnout[forward,branch=left] at (Y) label ();`
				topology
				Section 3.2.2 p. 8

11	turnout left (backward)		`\coordinate (A) at (0,0);`
			`\coordinate (Y) at (3,0);`
			`\coordinate (B) at (6,0);`
			
			`\maintrack (A) -- (B);`
			`\maintrack (Y) -- ++(-1,1);`
			`\turnout[backward,branch=left] at (Y) label ();`
				topology
				Section 3.2.2 p. 8

12	turnout right (forward)		`\coordinate (A) at (0,0);`
			`\coordinate (Y) at (3,0);`
			`\coordinate (B) at (6,0);`
			
			`\maintrack (A) -- (B);`
			`\maintrack (Y) -- ++(1,-1);`
			`\turnout[forward,branch=right] at (Y) label ();`
				topology
				Section 3.2.2 p. 8

13	turnout right (backward)		`\coordinate (A) at (0,0);`
			`\coordinate (Y) at (3,0);`
			`\coordinate (B) at (6,0);`
			
			`\maintrack (A) -- (B);`
			`\maintrack (Y) -- ++(-1,-1);`
			`\turnout[backward,branch=right] at (Y) label ();`
				topology
				Section 3.2.2 p. 8

14	turnout left (forward)
	with fouling point indicator
			`\coordinate (A) at (0,0);`
			`\coordinate (Y) at (3,0);`
			`\coordinate (B) at (6,0);`
			
			`\maintrack (A) -- (B);`
			`\maintrack (Y) -- ++(1,1);`
			`\turnout[forward,branch=left,fouling point] at (Y) label ();`
				topology
				Section 3.2.2 p. 8

15	turnout left (backward)
	with fouling point indicator
			`\coordinate (A) at (0,0);`
			`\coordinate (Y) at (3,0);`
			`\coordinate (B) at (6,0);`
			
			`\maintrack (A) -- (B);`
			`\maintrack (Y) -- ++(-1,1);`
			`\turnout[backward,branch=left,fouling point] at (Y) label ();`
				topology
				Section 3.2.2 p. 8

16	turnout right (forward)
	with fouling point indicator
			`\coordinate (A) at (0,0);`
			`\coordinate (Y) at (3,0);`
			`\coordinate (B) at (6,0);`
			
			`\maintrack (A) -- (B);`
			`\maintrack (Y) -- ++(1,-1);`
			`\turnout[forward,branch=right,fouling point] at (Y) label ();`
				topology
				Section 3.2.2 p. 8
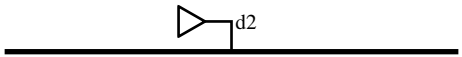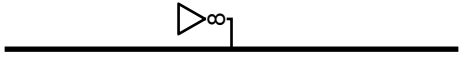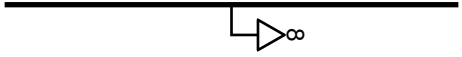
No.	Name	Clip	Code	Manual reference
17	turnout right (backward) with fouling point indicator		```\coordinate (A) at (0,0);``` ``` \coordinate (Y) at (3,0);``` ``` \coordinate (B) at (6,0);``` ``` ``` ```\maintrack (A) -- (B);``` ```\maintrack (Y) -- ++(-1,-1);``` ```\turnout[backward,branch=right,fouling point] at (Y) label ();```	topology Section 3.2.2 p. 8
18	turnout left (forward) with points in right position		```\coordinate (A) at (0,0);``` ```\coordinate (Y) at (3,0);``` ```\coordinate (B) at (6,0);``` ``` ``` ```\maintrack (A) -- (B);``` ```\maintrack (Y) -- ++(1,1);``` ```\turnout[forward,branch=left,points=right] at (Y) label ();```	topology Section 3.2.2 p. 8
19	turnout left (forward) with points in left position		```\coordinate (A) at (0,0);``` ```\coordinate (Y) at (3,0);``` ```\coordinate (B) at (6,0);``` ``` ``` ```\maintrack (A) -- (B);``` ```\maintrack (Y) -- ++(1,1);``` ```\turnout[forward,branch=left,points=left] at (Y) label ();```	topology Section 3.2.2 p. 8
20	turnout left (forward) with moving points		```\coordinate (A) at (0,0);``` ```\coordinate (Y) at (3,0);``` ```\coordinate (B) at (6,0);``` ``` ``` ```\maintrack (A) -- (B);``` ```\maintrack (Y) -- ++(1,1);``` ```\turnout[forward,branch=left,points=moving] at (Y) label ();```	topology Section 3.2.2 p. 8
21	turnout left (backward) with points in right position		```\coordinate (A) at (0,0);``` ```\coordinate (Y) at (3,0);``` ```\coordinate (B) at (6,0);``` ``` ``` ```\maintrack (A) -- (B);``` ```\maintrack (Y) -- ++(-1,1);``` ```\turnout[backward,branch=left,points=right] at (Y) label ();```	topology Section 3.2.2 p. 8
22	turnout left (backward) with points in left position		```\coordinate (A) at (0,0);``` ```\coordinate (Y) at (3,0);``` ```\coordinate (B) at (6,0);``` ``` ``` ```\maintrack (A) -- (B);``` ```\maintrack (Y) -- ++(-1,1);``` ```\turnout[backward,branch=left,points=left] at (Y) label ();```	topology Section 3.2.2 p. 8
23	turnout left (backward) with moving points		```\coordinate (A) at (0,0);``` ```\coordinate (Y) at (3,0);``` ```\coordinate (B) at (6,0);``` ``` ``` ```\maintrack (A) -- (B);``` ```\maintrack (Y) -- ++(-1,1);``` ```\turnout[backward,branch=left,points=moving] at (Y) label ();```	topology Section 3.2.2 p. 8
24	turnout right (forward) with points in right position		```\coordinate (A) at (0,0);``` ```\coordinate (Y) at (3,0);``` ```\coordinate (B) at (6,0);``` ``` ``` ```\maintrack (A) -- (B);``` ```\maintrack (Y) -- ++(1,-1);``` ```\turnout[forward,branch=right,points=right] at (Y) label ();```	topology Section 3.2.2 p. 8
25	turnout right (forward) with points in left position		```\coordinate (A) at (0,0);``` ```\coordinate (Y) at (3,0);``` ```\coordinate (B) at (6,0);``` ``` ``` ```\maintrack (A) -- (B);``` ```\maintrack (Y) -- ++(1,-1);``` ```\turnout[forward,branch=right,points=left] at (Y) label ();```	topology Section 3.2.2 p. 8

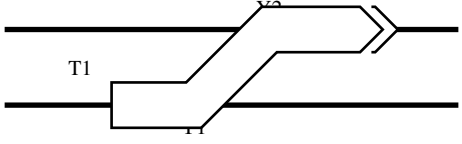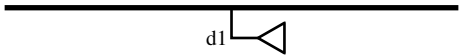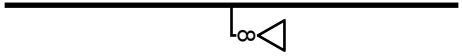| No.	Name	Clip	Code	Manual reference
26	turnout right (forward) with moving points		```\coordinate (A) at (0,0);\coordinate (Y) at (3,0);\coordinate (B) at (6,0);\maintrack (A) -- (B);\maintrack (Y) -- ++(1,-1);\turnout[forward,branch=right,points=moving] at (Y) label ();```	topology Section 3.2.2 p. 8
27	turnout right (backward) with points in right position		```\coordinate (A) at (0,0);\coordinate (Y) at (3,0);\coordinate (B) at (6,0);\maintrack (A) -- (B);\maintrack (Y) -- ++(-1,-1);\turnout[backward,branch=right,points=right] at (Y) label ();```	topology Section 3.2.2 p. 8
28	turnout right (backward) with points in left position		```\coordinate (A) at (0,0);\coordinate (Y) at (3,0);\coordinate (B) at (6,0);\maintrack (A) -- (B);\maintrack (Y) -- ++(-1,-1);\turnout[backward,branch=right,points=left] at (Y) label ();```	topology Section 3.2.2 p. 8
29	turnout right (backward) with moving points		```\coordinate (A) at (0,0);\coordinate (Y) at (3,0);\coordinate (B) at (6,0);\maintrack (A) -- (B);\maintrack (Y) -- ++(-1,-1);\turnout[backward,branch=right,points=moving] at (Y) label ();```	topology Section 3.2.2 p. 8
30	turnout left (forward) operated manually		```\coordinate (A) at (0,0);\coordinate (Y) at (3,0);\coordinate (B) at (6,0);\secondarytrack (A) -- (B);\secondarytrack (Y) -- ++(1,1);\turnout[forward,branch=left,operation=manual] at (Y) label ();```	topology Section 3.2.2 p. 8
31	turnout right (forward) operated manually		```\coordinate (A) at (0,0);\coordinate (Y) at (3,0);\coordinate (B) at (6,0);\secondarytrack (A) -- (B);\secondarytrack (Y) -- ++(1,-1);\turnout[forward,branch=right,operation=manual] at (Y) label ();```	topology Section 3.2.2 p. 8
32	turnout left (backward) operated manually		```\coordinate (A) at (0,0);\coordinate (Y) at (3,0);\coordinate (B) at (6,0);\secondarytrack (A) -- (B);\secondarytrack (Y) -- ++(-1,1);\turnout[backward,branch=left,operation=manual] at (Y) label ();```	topology Section 3.2.2 p. 8
33	turnout right (backward) operated manually		```\coordinate (A) at (0,0);\coordinate (Y) at (3,0);\coordinate (B) at (6,0);\secondarytrack (A) -- (B);\secondarytrack (Y) -- ++(-1,-1);\turnout[backward,branch=right,operation=manual] at (Y) label ();```	topology Section 3.2.2 p. 8
34	double-slip turnout left		```\coordinate (A) at (0,0);\coordinate (Y) at (3,0);\coordinate (B) at (6,0);\maintrack (A) -- (B);\maintrack (Y) -- ++(1, 1);\maintrack (Y) -- ++(-1,-1);\slipturnout[branch=left] at (Y) label (ab)(cd);```	topology Section 3.2.2 p. 9

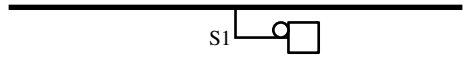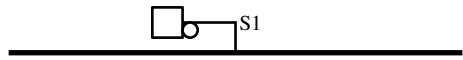| No.	Name	Clip	Code	Manual reference
35	double-slip turnout right		```\coordinate (A) at (0,0);\coordinate (Y) at (3,0);\coordinate (B) at (6,0);\maintrack (A) -- (B);\maintrack (Y) -- ++(1,-1);\maintrack (Y) -- ++(-1, 1);\slipturnout[branch=right] at (Y) label (ab)(cd);```	`topology` Section 3.2.2 p. 9
36	diamond crossing left		```\coordinate (A) at (0,0);\coordinate (Y) at (3,0);\coordinate (B) at (6,0);\maintrack (A) -- (B);\maintrack (Y) -- ++(1, 1);\maintrack (Y) -- ++(-1,-1);\crossing[branch=left] at (Y) label ();```	`topology` Section 3.2.2 p. 8
37	diamond crossing right		```\coordinate (A) at (0,0);\coordinate (Y) at (3,0);\coordinate (B) at (6,0);\maintrack (A) -- (B);\maintrack (Y) -- ++(1,-1);\maintrack (Y) -- ++(-1, 1);\crossing[branch=right] at (Y) label ();```	`topology` Section 3.2.2 p. 8
38	derailer left (forward)		```\coordinate (A) at (0,0);\coordinate (Y) at (3,0);\coordinate (B) at (6,0);\secondarytrack (A) -- (B);\derailer[forward,branch=left] at (Y) label ();```	`topology` Section 3.2.2 p. 9
39	derailer left (backward)		```\coordinate (A) at (0,0);\coordinate (Y) at (3,0);\coordinate (B) at (6,0);\secondarytrack (A) -- (B);\derailer[backward,branch=left] at (Y) label ();```	`topology` Section 3.2.2 p. 9
40	derailer right (forward)		```\coordinate (A) at (0,0);\coordinate (Y) at (3,0);\coordinate (B) at (6,0);\secondarytrack (A) -- (B);\derailer[forward,branch=right] at (Y) label ();```	`topology` Section 3.2.2 p. 9
41	derailer right (backward)		```\coordinate (A) at (0,0);\coordinate (Y) at (3,0);\coordinate (B) at (6,0);\secondarytrack (A) -- (B);\derailer[backward,branch=right] at (Y) label ();```	`topology` Section 3.2.2 p. 9
42	vehicles (parked)		```\coordinate (A) at (0,0);\coordinate (B) at (6,0);\coordinate (T) at (3,0);\secondarytrack (A) -- (B);\parkedvehicles[] at (T) label ();```	`vehicles` Section 3.3 p. 10
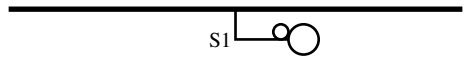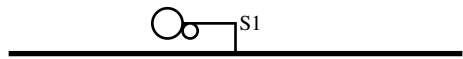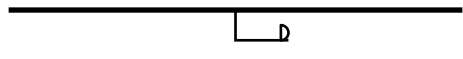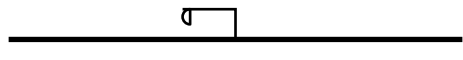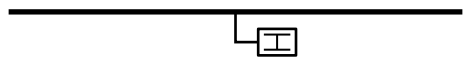
No.	Name	Clip	Code	Manual reference

43	vehicles with label (parked)	label	`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (T) at (3,0);`
			
			`\secondarytrack (A) -- (B);`
			`\parkedvehicles[] at (T) label (label);`
				vehicles
				Section 3.3 p. 10

44	vehicle (parked)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (T) at (3,0);`
			
			`\secondarytrack (A) -- (B);`
			`\parkedvehicles[length=0.5cm] at (T) label ();`
				vehicles
				Section 3.3 p. 10

45	train in shunting mode (direction forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (T) at (5,0);`
			
			`\maintrack (A) -- (B);`
			`\shunting[forward] at (T) label ();`
				vehicles
				Section 3.3 p. 10

46	train in shunting mode (direction backward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (T) at (1,0);`
			
			`\maintrack (A) -- (B);`
			`\shunting[backward] at (T) label ();`
				vehicles
				Section 3.3 p. 10

47	train shunting (forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (T) at (5,0);`
			
			`\maintrack (A) -- (B);`
			`\shunting[movement,forward] at (T) label ();`
				vehicles
				Section 3.3 p. 10

48	train shunting (backward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (T) at (1,0);`
			
			`\maintrack (A) -- (B);`
			`\shunting[movement,backward] at (T) label ();`
				vehicles
				Section 3.3 p. 10

49	train (direction forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (T) at (5,0);`
			
			`\maintrack (A) -- (B);`
			`\train[forward] at (T) label ();`
				vehicles
				Section 3.3 p. 11

50	train (direction backward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (T) at (1,0);`
			
			`\maintrack (A) -- (B);`
			`\train[backward] at (T) label ();`
				vehicles
				Section 3.3 p. 11

51	train moving (forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (T) at (5,0);`
			
			`\maintrack (A) -- (B);`
			`\train[run=normal,forward] at (T) label ();`
				vehicles
				Section 3.3 p. 11
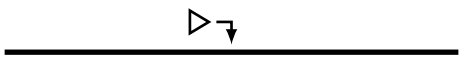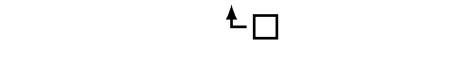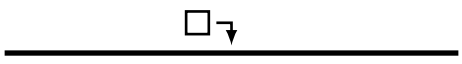
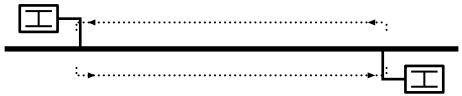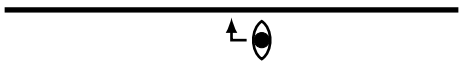| No.	Name	Clip	Code	Manual reference

52	train moving (backward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (T) at (1,0);`
			
			`\maintrack (A) -- (B);`
			`\train[run=normal,backward] at (T) label ();`
				vehicles
				Section 3.3 p. 11

53	train moving slow (forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (T) at (5,0);`
			
			`\maintrack (A) -- (B);`
			`\train[run=slow,forward] at (T) label ();`
				vehicles
				Section 3.3 p. 11

54	train moving slow (backward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (T) at (1,0);`
			
			`\maintrack (A) -- (B);`
			`\train[run=slow,backward] at (T) label ();`
				vehicles
				Section 3.3 p. 11

55	train moving fast (forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (T) at (5,0);`
			
			`\maintrack (A) -- (B);`
			`\train[run=fast,forward] at (T) label ();`
				vehicles
				Section 3.3 p. 11

56	train moving fast (backward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (T) at (1,0);`
			
			`\maintrack (A) -- (B);`
			`\train[run=fast,backward] at (T) label ();`
				vehicles
				Section 3.3 p. 11

57	train ghost (direction forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (T) at (5,0);`
			
			`\maintrack (A) -- (B);`
			`\train[ghost,forward] at (T) label ();`
				vehicles
				Section 3.3 p. 11

58	train ghost (direction backward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (T) at (1,0);`
			
			`\maintrack (A) -- (B);`
			`\train[ghost,backward] at (T) label ();`
				vehicles
				Section 3.3 p. 11

59	train operated automatic (direction forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (T) at (5,0);`
			
			`\maintrack (A) -- (B);`
			`\train[operation=automatic,forward] at (T) label ();`
				vehicles
				Section 3.3 p. 11

60	train operated by human (direction forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (T) at (5,0);`
			
			`\maintrack (A) -- (B);`
			`\train[operation=manual,forward] at (T) label ();`
				vehicles
				Section 3.3 p. 11

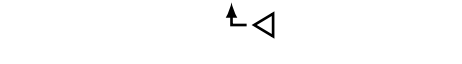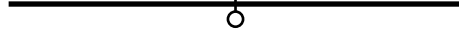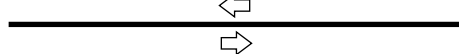| No.	Name	Clip	Code	Manual reference
61	train running over a junction		```\coordinate (A1) at (0 ,-0.5);\n\coordinate (Y1) at (2.5,-0.5);\n\coordinate (B1) at (6 ,-0.5);\n\coordinate (A2) at (0 , 0.5);\n\coordinate (Y2) at (3.5, 0.5);\n\coordinate (B2) at (6 , 0.5);\n\coordinate (T) at (5 , 0.5);\n\n\maintrack (A1) -- (B1);\n\maintrack (A2) -- (B2);\n\maintrack (Y1) -- (Y2);\n\turnout[forward ,branch=left] at (Y1) label (Y1);\n\turnout[backward,branch=right] at (Y2) label (Y2);\n\n\train[\n run=slow,forward,\n bend left at={(Y1)},bend right at={(Y2)},\n shift label={(-2,-0.5)} % relative coordinate\n] at (T) label (T1);```	`vehicles` Section 3.3 p. 11
62	distant signal (forward)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (S) at (3,0);\n\n\maintrack (A) -- (B);\n\n\distantsignal[forward] at (S) label (d1);```	`trafficcontrol` Section 3.4.1 p. 12
63	distant signal with speed indicator		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (S) at (3,0);\n\n\maintrack (A) -- (B);\n\n\distantsignal[forward,distant speed={8}] at (S) label ();\n% replace the 8 with desired speed or remove tikz key```	`trafficcontrol` Section 3.4.1 p. 12
64	distant signal (backward)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (S) at (3,0);\n\n\maintrack (A) -- (B);\n\n\distantsignal[backward] at (S) label (d2);```	`trafficcontrol` Section 3.4.1 p. 12
65	distant signal with speed indicator		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (S) at (3,0);\n\n\maintrack (A) -- (B);\n\n\distantsignal[backward,distant speed={8}] at (S) label ();\n% replace the 8 with desired speed or remove tikz key```	`trafficcontrol` Section 3.4.1 p. 12
66	speed signal (forward)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (S) at (3,0);\n\n\maintrack (A) -- (B);\n\n\speedsignal[forward,speed={8}] at (S) label ();\n% replace the 8 with desired speed```	`trafficcontrol` Section 3.4.1 p. 13
67	speed signal (backward)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (S) at (3,0);\n\n\maintrack (A) -- (B);\n\n\speedsignal[backward,speed={8}] at (S) label ();\n% replace the 8 with desired speed```	`trafficcontrol` Section 3.4.1 p. 13
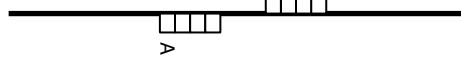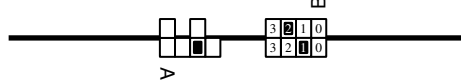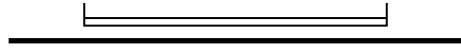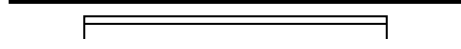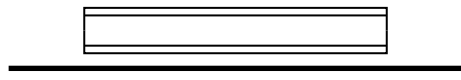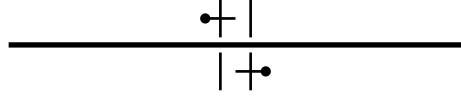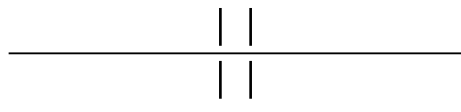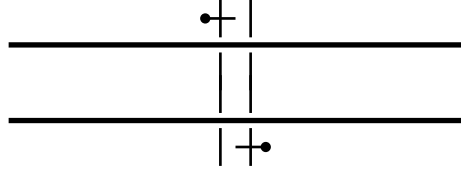
No.	Name	Clip	Code	Manual reference
68	block signal (forward)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (S) at (3,0);\n\n\maintrack (A) -- (B);\n\n\blocksignal[forward] at (S) label (1);```	trafficcontrol Section 3.4.1 p. 13
69	block signal (backward)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (S) at (3,0);\n\n\maintrack (A) -- (B);\n\n\blocksignal[backward] at (S) label (2);```	trafficcontrol Section 3.4.1 p. 13
70	route signal (forward)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (S) at (3,0);\n\n\maintrack (A) -- (B);\n\n\routesignal[forward] at (S) label (R1);```	trafficcontrol Section 3.4.1 p. 14
71	route signal (backward)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (S) at (3,0);\n\n\maintrack (A) -- (B);\n\n\routesignal[backward,speed={8}] at (S) label (F);``` % replace the 8 with desired speed or remove tikz key	trafficcontrol Section 3.4.1 p. 14
72	combined signal (distant, block and route signal)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (S) at (3,0);\n\n\maintrack (A) -- (B);\n\n\signal[distant,block,route,forward,distant speed=8,speed=8]\n at (S) label (K1);``` % replace the 8 with desired speed or remove tikz key	trafficcontrol Section 3.4.1 p. 12
73	shunt signal (forward)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (S) at (3,0);\n\n\maintrack (A) -- (B);\n\n\shuntsignal[forward] at (S) label ();```	trafficcontrol Section 3.4.1 p. 14
74	shunt signal (backward)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (S) at (3,0);\n\n\maintrack (A) -- (B);\n\n\shuntsignal[backward] at (S) label ();```	trafficcontrol Section 3.4.1 p. 14
75	shunt signal locked (forward)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (S) at (3,0);\n\n\maintrack (A) -- (B);\n\n\shuntsignal[forward,locked] at (S) label ();```	trafficcontrol Section 3.4.1 p. 14
76	shunt signal locked (backward)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (S) at (3,0);\n\n\maintrack (A) -- (B);\n\n\shuntsignal[backward,locked] at (S) label ();```	trafficcontrol Section 3.4.1 p. 14

No.	Name	Clip	Code	Manual reference

77	block and shunt signal (forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (S) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\signal[block,shunting,forward] at (S) label (S1);`
				`trafficcontrol`
				Section 3.4.1 p. 12

78	block and shunt signal (backward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (S) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\signal[block,shunting,backward] at (S) label (S1);`
				`trafficcontrol`
				Section 3.4.1 p. 12

79	route and shunt signal (forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (S) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\signal[route,shunting,forward] at (S) label (S1);`
				`trafficcontrol`
				Section 3.4.1 p. 12

80	route and shunt signal (backward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (S) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\signal[route,shunting,backward] at (S) label (S1);`
				`trafficcontrol`
				Section 3.4.1 p. 12

81	shunt limit (forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (S) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\shuntlimit[forward] at (S) label ();`
				`trafficcontrol`
				Section 3.4.1 p. 15

82	shunt limit (backward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (S) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\shuntlimit[backward] at (S) label ();`
				`trafficcontrol`
				Section 3.4.1 p. 15

83	train berth sign (forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (S) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\berthsignal[forward] at (S) label ();`
				`trafficcontrol`
				Section 3.4.1 p. 15

84	train berth sign (backward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (S) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\berthsignal[backward] at (S) label ();`
				`trafficcontrol`
				Section 3.4.1 p. 15
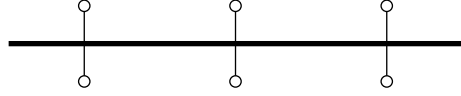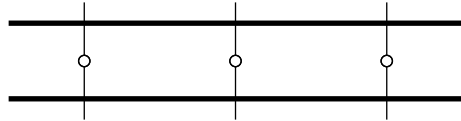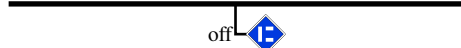
No.	Name	Clip	Code	Manual reference

85	train berth		```\coordinate (A) at (0,0);```
			 ```\coordinate (B) at (6,0);```
			 ```\coordinate (H) at (3,0);```
			 ```\coordinate (S1) at (1,0);```
			 ```\coordinate (S2) at (5,0);```
			
			 ```\maintrack (A) -- (B);```
			
			 ```\berth[forward] at (H) length ();```
			 ```\berth[backward] at (H) length ();```
			 ```\berthsignal[backward] at (S1) label ();```
			 ```\berthsignal[forward] at (S2) label ();```
				trafficcontrol
				 Section 3.4.1 p. 15
				 &
				 measures
				 Section 3.7 p. 28

86	view point (forward)		```\coordinate (A) at (0,0);```
			 ```\coordinate (B) at (6,0);```
			 ```\coordinate (S) at (3,0);```
			
			 ```\maintrack (A) -- (B);```
			
			 ```\viewpoint[forward] at (S);```
				trafficcontrol
				 Section 3.4.2 p. 16

87	view point (backward)		```\coordinate (A) at (0,0);```
			 ```\coordinate (B) at (6,0);```
			 ```\coordinate (S) at (3,0);```
			
			 ```\maintrack (A) -- (B);```
			
			 ```\viewpoint[backward] at (S);```
				trafficcontrol
				 Section 3.4.2 p. 16

88	braking point (forward)		```\coordinate (A) at (0,0);```
			 ```\coordinate (B) at (6,0);```
			 ```\coordinate (S) at (3,0);```
			
			 ```\maintrack (A) -- (B);```
			
			 ```\brakingpoint[forward] at (S) label ();```
				trafficcontrol
				 Section 3.4.2 p. 16

89	braking point (backward)		```\coordinate (A) at (0,0);```
			 ```\coordinate (B) at (6,0);```
			 ```\coordinate (S) at (3,0);```
			
			 ```\maintrack (A) -- (B);```
			
			 ```\brakingpoint[backward] at (S) label ();```
				trafficcontrol
				 Section 3.4.2 p. 16

90	end of movement authority (forward)		```\coordinate (A) at (0,0);```
			 ```\coordinate (B) at (6,0);```
			 ```\coordinate (S) at (3,0);```
			
			 ```\maintrack (A) -- (B);```
			
			 ```\movementauthority[forward] at (S) label ();```
				trafficcontrol
				 Section 3.4.2 p. 17

91	end of movement authority (backward)		```\coordinate (A) at (0,0);```
			 ```\coordinate (B) at (6,0);```
			 ```\coordinate (S) at (3,0);```
			
			 ```\maintrack (A) -- (B);```
			
			 ```\movementauthority[backward] at (S) label ();```
				trafficcontrol
				 Section 3.4.2 p. 17

92	danger point (forward)		```\coordinate (A) at (0,0);```
			 ```\coordinate (B) at (6,0);```
			 ```\coordinate (S) at (3,0);```
			
			 ```\maintrack (A) -- (B);```
			
			 ```\dangerpoint[forward] at (S) label ();```
				trafficcontrol
				 Section 3.4.2 p. 17

No.	Name	Clip	Code	Manual reference
93	danger point (backward)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (S) at (3,0);\n\n\maintrack (A) -- (B);\n\n\dangerpoint[backward] at (S) label ();```	trafficcontrol Section 3.4.2 p. 17
94	clearing point		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (CP) at (3,0);\n\n\maintrack (A) -- (B);\n\n\clearingpoint[backward] at (CP) label ();```	trafficcontrol Section 3.4.3 p. 18
95	block clearing point (forward)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (CP) at (3,0);\n\n\maintrack (A) -- (B);\n\n\blockclearing[forward] at (CP) label ();```	trafficcontrol Section 3.4.3 p. 18
96	block clearing point (backward)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (CP) at (3,0);\n\n\maintrack (A) -- (B);\n\n\blockclearing[backward] at (CP) label ();```	trafficcontrol Section 3.4.3 p. 18
97	route clearing point (forward)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (CP) at (3,0);\n\n\maintrack (A) -- (B);\n\n\routeclearing[forward] at (CP) label ();```	trafficcontrol Section 3.4.3 p. 19
98	route clearing point (backward)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (CP) at (3,0);\n\n\maintrack (A) -- (B);\n\n\routeclearing[backward] at (CP) label ();```	trafficcontrol Section 3.4.3 p. 19
99	route (forward & backward)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (R1) at (2,0);\n\coordinate (R2) at (4,0);\n\n\maintrack (A) -- (B);\n\route[backward] at (R1);\n\route[forward] at (R2);```	trafficcontrol Section 3.4.4 p. 19
100	direction control		```\coordinate (A) at (0,0);\n\coordinate (DC) at (3,0);\n\coordinate (B) at (6,0);\n\n\maintrack (A) -- (B);\n\directioncontrol[bidirectional] at (DC);```	trafficcontrol Section 3.4.4 p. 20
101	direction control granted forward		```\coordinate (A) at (0,0);\n\coordinate (DC) at (3,0);\n\coordinate (B) at (6,0);\n\n\maintrack (A) -- (B);\n\directioncontrol[forward] at (DC);```	trafficcontrol Section 3.4.4 p. 20
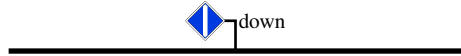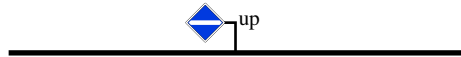
No.	Name	Clip	Code	Manual reference
102	direction control granted backward		``` \coordinate (A) at (0,0); \coordinate (DC) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \directioncontrol[backward] at (DC); ```	trafficcontrol Section 3.4.4 p. 20
103	balise (forward & backward)		``` \coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T1) at (2,0); \coordinate (T2) at (4,0); \maintrack (A) -- (B); \balise[forward] at (T1) label (); \balise[backward] at (T2) label (); ```	trafficcontrol Section 3.4.5 p. 20
104	balise (forward) with signal		``` \coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \routesignal[forward] at (S) label (); \balise[forward] at (S) label (); ```	trafficcontrol Section 3.4.5 p. 20 & Section 3.4.1 p. 14
105	balise (forward & backward) switched		``` \coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T1) at (2,0); \coordinate (T2) at (4,0); \maintrack (A) -- (B); \balise[forward,switched] at (T1) label (); \balise[backward,switched] at (T2) label (); ```	trafficcontrol Section 3.4.5 p. 20
106	individual balises (forward & backward)		``` \coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T1) at (2,0); \coordinate (T2) at (4,0); \maintrack (A) -- (B); \balise[forward,along={0,1,2,3}] at (T1) label (A); \balise[backward,along={0,1,2,3}] at (T2) label (B); ```	trafficcontrol Section 3.4.5 p. 20

107	individual balises
	(forward & backward) mixed
			``
			\coordinate (A) at (0,0);
			\coordinate (B) at (6,0);
			\coordinate (T1) at (2,0);
			\coordinate (T2) at (4,0);
			
			\maintrack (A) -- (B);
			
			\balise[
			  forward,
			  along={0,1,3},
			  along switched={2},
			  oppose={0,2},
			] at (T1) label (A);
			\balise[
			  backward,
			  along={0,1,3},
			  along switched={2},
			  oppose={0,2,3},
			  oppose switched={1},
			  index % show index number
			] at (T2) label (B);
			``
				trafficcontrol
				Section 3.4.5 p. 20
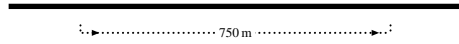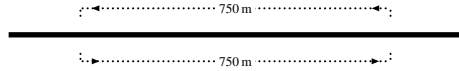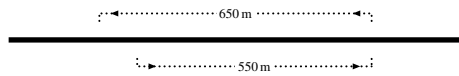
No.	Name	Clip	Code	Manual reference
108	track loop		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (T) at (3,0);\n\n\maintrack (A) -- (B);\n\n\trackloop[] at (T) label ();```	`trafficcontrol` Section 3.4.5 p. 21
109	platform (left)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (P) at (3,0);\n\n\maintrack (A) -- (B);\n\platform[side=left] at (P);```	`constructions` Section 3.5 p. 21
110	platform (right)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (P) at (3,0);\n\n\maintrack (A) -- (B);\n\platform[side=right] at (P);```	`constructions` Section 3.5 p. 21
111	platform (middle)		```\coordinate (A1) at (0,-0.5);\n\coordinate (B1) at (6,-0.5);\n\coordinate (A2) at (0, 0.5);\n\coordinate (B2) at (6, 0.5);\n\coordinate (P1) at (3, 0.5);\n\coordinate (P2) at (3,-0.5);\n\n\maintrack (A1) -- (B1);\n\maintrack (A2) -- (B2);\n\platform[side=right] at (P1);\n\platform[side=left] at (P2);```	`constructions` Section 3.5 p. 21
112	level crossing (single track)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (X) at (3,0);\n\n\maintrack (A) -- (B);\n\levelcrossing[barrier=semi] at (X);```	`constructions` Section 3.5 p. 22
113	level crossing (secondary track) without barrier		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (X) at (3,0);\n\n\secondarytrack (A) -- (B);\n\levelcrossing[] at (X);```	`constructions` Section 3.5 p. 22
114	level crossing (double track)		```\coordinate (A1) at (0,-0.5);\n\coordinate (B1) at (6,-0.5);\n\coordinate (A2) at (0, 0.5);\n\coordinate (B2) at (6, 0.5);\n\coordinate (X1) at (3, 0.5);\n\coordinate (X2) at (3,-0.5);\n\n\maintrack (A1) -- (B1);\n\maintrack (A2) -- (B2);\n\levelcrossing[barrier=semi,side=left] at (X1);\n\levelcrossing[barrier=semi,side=right] at (X2);```	`constructions` Section 3.5 p. 22

No.	Name	Clip	Code	Manual reference
115	level crossing (double track) with full closure		```\coordinate (A1) at (0,-0.5);\n\coordinate (B1) at (6,-0.5);\n\coordinate (A2) at (0, 0.5);\n\coordinate (B2) at (6, 0.5);\n\coordinate (X1) at (3, 0.5);\n\coordinate (X2) at (3,-0.5);\n\n\maintrack (A1) -- (B1);\n\maintrack (A2) -- (B2);\n\levelcrossing[barrier=full,side=left] at (X1);\n\levelcrossing[barrier=full,side=right] at (X2);```	constructions Section 3.5 p. 22
116	bridge		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (X) at (3,0);\n\n% order is important\n\bridge[] at (X); % first\n\maintrack (A) -- (B); % secound```	constructions Section 3.5 p. 22
117	bridge with track beneath		```\coordinate (A1) at (0, 0);\n\coordinate (B1) at (6, 0);\n\coordinate (A2) at (2,-1);\n\coordinate (B2) at (4, 1);\n\coordinate (X) at (3,0);\n\n% order is important\n\maintrack (A2) -- (B2); % first\n\bridge[shift left=0.25cm,shift right=-0.25cm] at (X); % secound\n\maintrack (A1) -- (B1); % third```	constructions Section 3.5 p. 22
118	interlocking		```\coordinate (I) at (3,0);\n\n\interlocking at (I);```	constructions Section 3.5 p. 23
119	hump		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (H) at (3,0);\n\n\secondarytrack (A) -- (B);\n\hump at (H);```	constructions Section 3.5 p. 23
120	pylons (right)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (P1) at (1,0);\n\coordinate (P2) at (3,0);\n\coordinate (P3) at (5,0);\n\n\maintrack (A) -- (B);\n\pylon[side=right] at (P1);\n\pylon[side=right] at (P2);\n\pylon[side=right] at (P3);```	constructions Section 3.5 p. 24
121	pylons (left)		```\coordinate (A) at (0,0);\n\coordinate (B) at (6,0);\n\coordinate (P1) at (1,0);\n\coordinate (P2) at (3,0);\n\coordinate (P3) at (5,0);\n\n\maintrack (A) -- (B);\n\pylon[side=left] at (P1);\n\pylon[side=left] at (P2);\n\pylon[side=left] at (P3);```	constructions Section 3.5 p. 24

No.	Name	Clip	Code	Manual reference

122	pylons (both sides)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (P1) at (1,0);`
			`\coordinate (P2) at (3,0);`
			`\coordinate (P3) at (5,0);`
			
			`\maintrack (A) -- (B);`
			`\pylon[side=both] at (P1);`
			`\pylon[side=both] at (P2);`
			`\pylon[side=both] at (P3);`
				constructions
				Section 3.5 p. 24

123	pylons (middle)		`\coordinate (A1) at (0,-0.5);`
			`\coordinate (B1) at (6,-0.5);`
			`\coordinate (A2) at (0, 0.5);`
			`\coordinate (B2) at (6, 0.5);`
			`%`
			`\coordinate (P1) at (1,-0.5);`
			`\coordinate (P2) at (3,-0.5);`
			`\coordinate (P3) at (5,-0.5);`
			`\coordinate (P4) at (1, 0.5);`
			`\coordinate (P5) at (3, 0.5);`
			`\coordinate (P6) at (5, 0.5);`
			
			`\maintrack (A1) -- (B1);`
			`\maintrack (A2) -- (B2);`
			`\pylon[side=left] at (P1);`
			`\pylon[side=left] at (P2);`
			`\pylon[side=left] at (P3);`
			`\pylon[side=right] at (P4);`
			`\pylon[side=right] at (P5);`
			`\pylon[side=right] at (P6);`
				constructions
				Section 3.5 p. 24

124	distant power off (forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (E) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\distantpoweroff[forward] at (E) label (dP);`
				electrics
				Section 3.6 p. 24

125	distant power off (backward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (E) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\distantpoweroff[backward] at (E) label (dP);`
				electrics
				Section 3.6 p. 24

126	power off (forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (E) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\poweroff[forward] at (E) label (off);`
				electrics
				Section 3.6 p. 25

127	power off (backward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (E) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\poweroff[backward] at (E) label (off);`
				electrics
				Section 3.6 p. 25

128	power on (forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (E) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\poweron[forward] at (E) label (on);`
				electrics
				Section 3.6 p. 25

No.	Name	Clip	Code	Manual reference

129	power on (backward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (E) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\poweron[backward] at (E) label (on);`
				electrics
				Section 3.6 p. 25

130	distant pantograph down (forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (E) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\distantpantographdown[forward] at (E) label (dP);`
				electrics
				Section 3.6 p. 26

131	distant pantograph down (backward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (E) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\distantpantographdown[backward] at (E) label (dP);`
				electrics
				Section 3.6 p. 26

132	pantograph down (forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (E) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\pantographdown[forward] at (E) label (down);`
				electrics
				Section 3.6 p. 26

133	pantograph down (backward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (E) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\pantographdown[backward] at (E) label (down);`
				electrics
				Section 3.6 p. 26

134	pantograph up (forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (E) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\pantographup[forward] at (E) label (up);`
				electrics
				Section 3.6 p. 27

135	pantograph up (backward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (E) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\pantographup[backward] at (E) label (up);`
				electrics
				Section 3.6 p. 27

136	wire limit (forward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (E) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\wirelimit[forward] at (E) label (limit);`
				electrics
				Section 3.6 p. 27

137	wire limit (backward)		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (E) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\wirelimit[backward] at (E) label (limit);`
				electrics
				Section 3.6 p. 27

No.	Name	Clip	Code	Manual reference

138	track distance (in m)	4,50	`\coordinate (A1) at (0,-0.5);`
			`\coordinate (X1) at (3,-0.5);`
			`\coordinate (B1) at (6,-0.5);`
			`\coordinate (A2) at (0, 0.5);`
			`\coordinate (X2) at (3, 0.5);`
			`\coordinate (B2) at (6, 0.5);`
			
			`\maintrack (A1) -- (B1);`
			`\maintrack (A2) -- (B2);`
			`\trackdistance between (X2) and (X1) distance (4,50);`
				`measures`
				Section 3.7 p. 28

139	train berth shape	750 m	`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (H) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\berth[forward] at (H) length (\SI{750}{\metre});`
				`measures`
				Section 3.7 p. 28

140	train berth shape bidirectional	750 m
		750 m
			`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (H) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\berth[bidirectional] at (H) length (\SI{750}{\metre});`
				`measures`
				Section 3.7 p. 28

141	train berth with special shape	650 m
		550 m
			`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			`\coordinate (H1) at (3.25,0);`
			`\coordinate (H2) at (3,0);`
			
			`\maintrack (A) -- (B);`
			
			`\berth[forward ,length=3.0cm] at (H1) length (\SI{550}{\metre});`
			`\berth[backward,length=3.5cm] at (H2) length (\SI{650}{\metre});`
				`measures`
				Section 3.7 p. 28

142	measure line		`\coordinate (A) at (0,0);`
			`\coordinate (B) at (6,0);`
			
			`\measureline (A) -- (B);`
			`\trackclosure at (A);`
			`\trackclosure at (B);`
				`measures`
				Section 3.7 p. 29

143	hectometer (in km)	0.000 4.000 4.500 6.000	`\coordinate (A) at (0,0);`
			`\coordinate (X1) at (3,0);`
			`\coordinate (X2) at (3.5,0);`
			`\coordinate (B) at (6,0);`
			
			`\coordinate (hb) at (0,-2);`
			
			`\maintrack (A) -- (B);`
			
			`\tikzset{hectometer base={(hb)},orientation=right}`
			`\hectometer[] at (A) mileage (0.000);`
			`\hectometer[] at (X1) mileage (4.000);`
			`\hectometer[shift label={(0.3,0)}] at (X2) mileage (4.500);`
			`\hectometer[] at (B) mileage (6.000);`
				`measures`
				Section 3.7 p. 29

No.	Name	Clip	Code	Manual reference

144	measure line with hectometer (in km)		`\coordinate (A1) at (0,0);`
			`\coordinate (X1) at (3,0);`
			`\coordinate (B1) at (6,0);`
			
			`\coordinate (A2) at (0,3);`
			`\coordinate (X2) at (2,3);`
			`\coordinate (X3) at (5,3);`
			`\coordinate (B2) at (6,3);`
			
			`\coordinate (hb) at (0,-2);`
			
			`\maintrack (A1) -- (B1);`
			`\maintrack (A2) -- (B2);`
			
			`\measureline (A2) -- (A1);`
			`\measureline (X2) -- ++(0,-1) -- ++(1,-1) -- (X1);`
			`\measureline (X3) -- ++(0,-1) -- ++(1,-1) -- (B1);`
			
			`\tikzset{hectometer base={(hb)},orientation=right}`
			`\hectometer[] at (A) mileage (0.000);`
			`\hectometer[] at (X1) mileage (4.000);`
			`\hectometer[] at (B) mileage (6.000);`
				`measures`
				Section 3.7 p. 29

145	track marking		`\coordinate (A) at (0,0);`
			`\coordinate (X) at (3,0);`
			`\coordinate (B) at (6,0);`
			
			`\maintrack (A) -- (B);`
			`\trackmarking[green] (A) -- (X);`
			`\trackmarking[red] (X) -- (B);`
				`measures`
				Section 3.7 p. 30

146	track marking with turnout		`\coordinate (A) at (0,0);`
			`\coordinate (Y) at (3,0);`
			`\coordinate (B) at (6,0);`
			
			`\maintrack (A) -- (B);`
			`\maintrack (Y) -- ++(1,1);`
			`\turnout[forward,branch=left] at (Y) label ();`
			
			`\trackmarking[yellow] (A) -- (Y) -- ++(1,1);`
			`\trackmarking[blue] (Y) -- (B);`
				`measures`
				Section 3.7 p. 30

1   Revision History

Revision	Date	Author(s)	Description
0.1	2018-09-14	MS	Basic concept of a library with railway topology symbols and some examples.
0.2	2018-12-19	MS	Added transmitters and minor improvements.
0.3	2019-04-04	MS	Moved snippet folder to root folder and defined and used color foreground and background.
0.4	2019-07-21	MS	Reworked library for common tikz library layout.
0.5	2020-01-14	MS	Introducing new syntax and providing a documentation.
0.5.1	2020-02-10	MS	Modified symbol "end of movement authority"; added symbols "braking point" and "danger point".
0.6	2021-01-02	MS	Added symbols for "direction control", "track marking", "pylons" and electric wiring; changed symbol for "friction bufferstop"; created an encapsulating package for future flexibility - changed load command for library to \usepackage{tikz-trackschematic}.
0.6.1	2021-09-30	MS	removed package requirement lmodern, minor correction in manual, added citation information
0.6.2	2021-10-15	MS	bug fixing
0.6.3	2022-02-15	MS, GW	fixed spelling error and documented (slip-) turnout option: points=moving; updated link to signalschablone; automated testing and releasing
0.7.0	2022-04-02	MS, GW	revised symbol and syntax for balises; replaced "\gettikzxy" with "\path let" syntax; fixed PackageWarning Error in development mode; fixed foreground of sidetrack (alias)