

1. Declarations

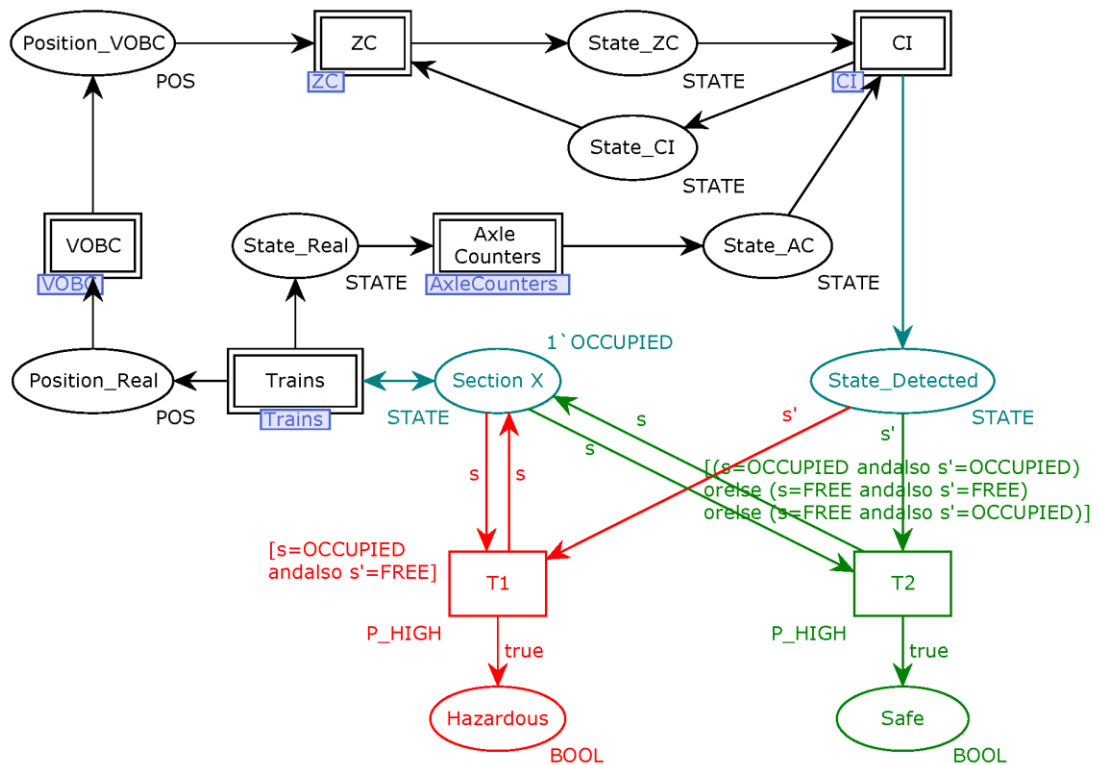
```

colset UNIT = unit;
colset BOOL = bool timed;
colset INT = int timed;
colset STATE = with OCCUPIED | FREE timed;
colset POS = with SECTIONx | NOTSECTIONx timed;
var u, u' : UNIT;
var n, m, delay, k: INT;
var s, s': STATE;
var p, p': POS;
var b: BOOL;
fun RelayDelay () = discrete (0,20);
fun CI_ZC_Delay() = discrete (0,60);
fun VOBC_ZC_Delay() = discrete (0,50);
val cycleCI = 2;
val cycleZC = 3;
val cycleAxleCounter = 1;
val cyclePosReport = 1;

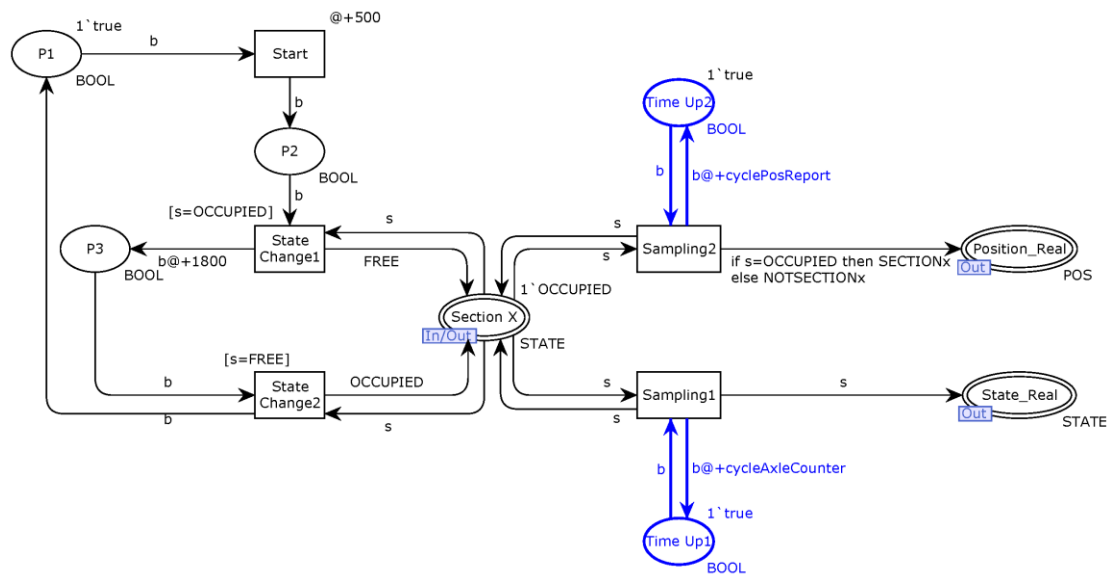
```

2. Timed CPNs

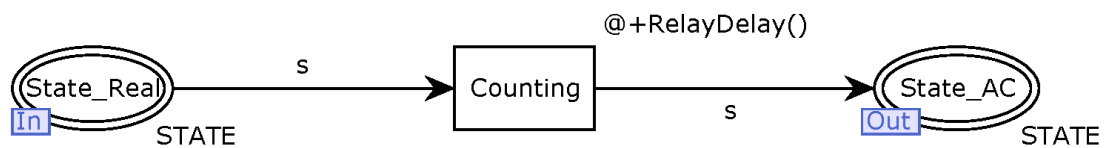
1) Top-level



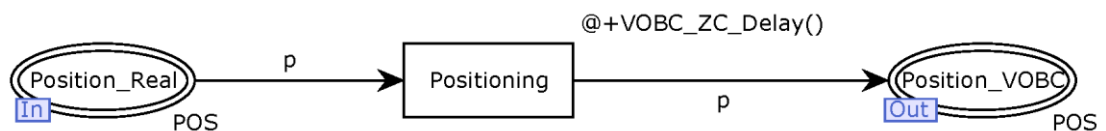
2) Module *Trains*



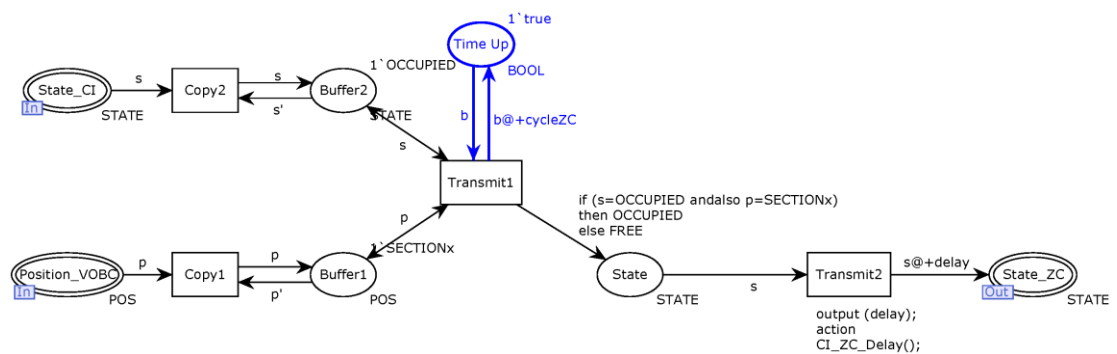
3) Module *AxleCounters*



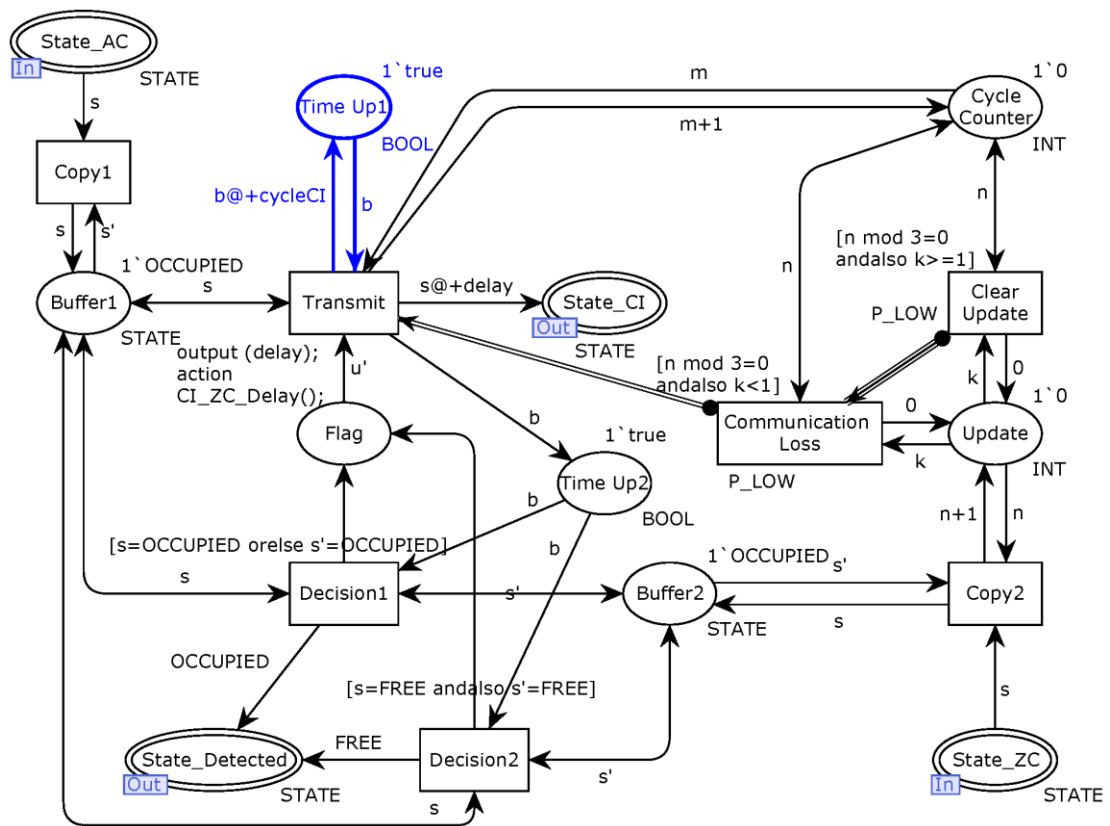
4) Module *VOBC*

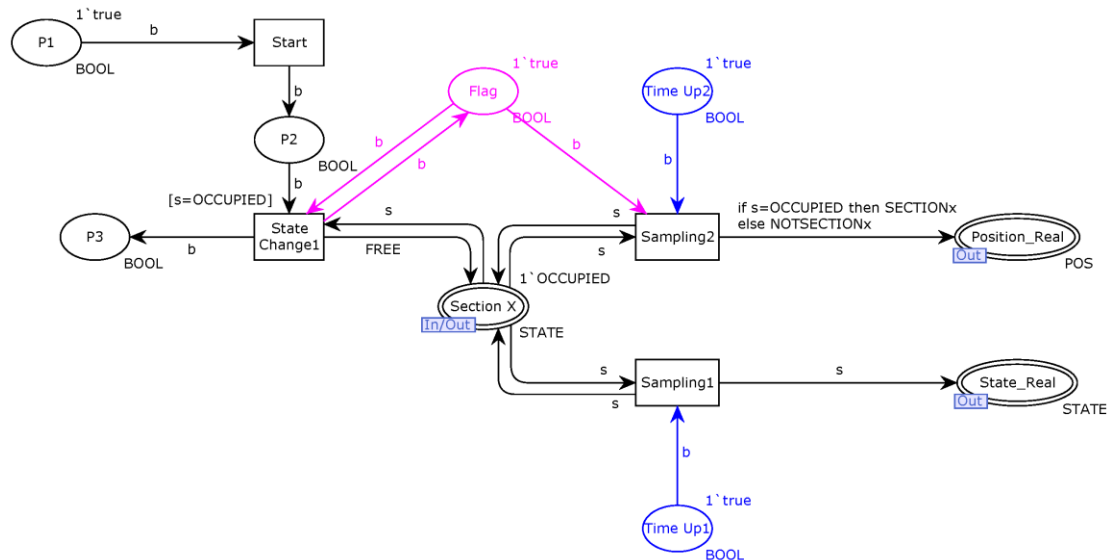


5) Module ZC

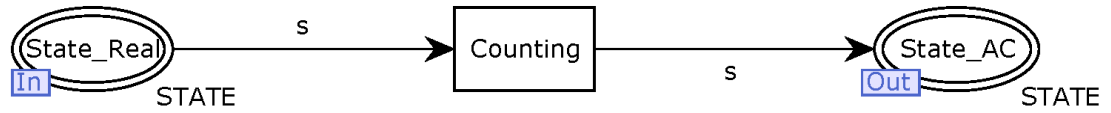


6) Module *C/*

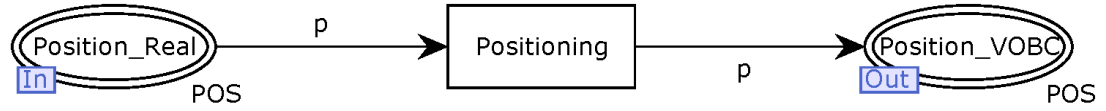




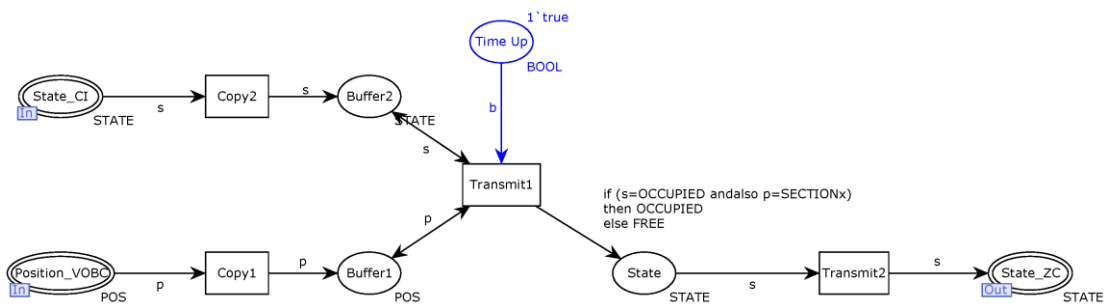
3) Module *AxleCounters*



4) Module *VOBC*



5) Module *ZC*



6) Module *C/*

