













```
/* generate event at time t */
                                        /* initialize variables */
generateEvent(t);
                                        t = 0;
while (!stopGeneration) {
                                        generate = false;
 while ( t < swt ) {
                                        state = 0;
    if (state == 0) {
                                        swt = getNextSwitchingTime(t);
     if ( canIGenerateNow(t) )
        generate = true;
    }
    else{
      if ( !canIStillWait(t) )
        generate = true;
    }
    if (generate) {
      generateEvent(t);
      updateHistoryWithEvent(t);
    }
    t = t + timeStep;
    generate = false;
  }
  swt = getNextSwitchingTime(t);
  state = (state + 1) mod 2;
}
```

Goals (revised)

- Generated trace should be:
 - consistent with specification curves
 - representative for short term characteristics (bursts)
 - representative for long term characteristics (average case)
- These properties should be observed anywhere in the generated trace

New quality indicator to measure these properties





















