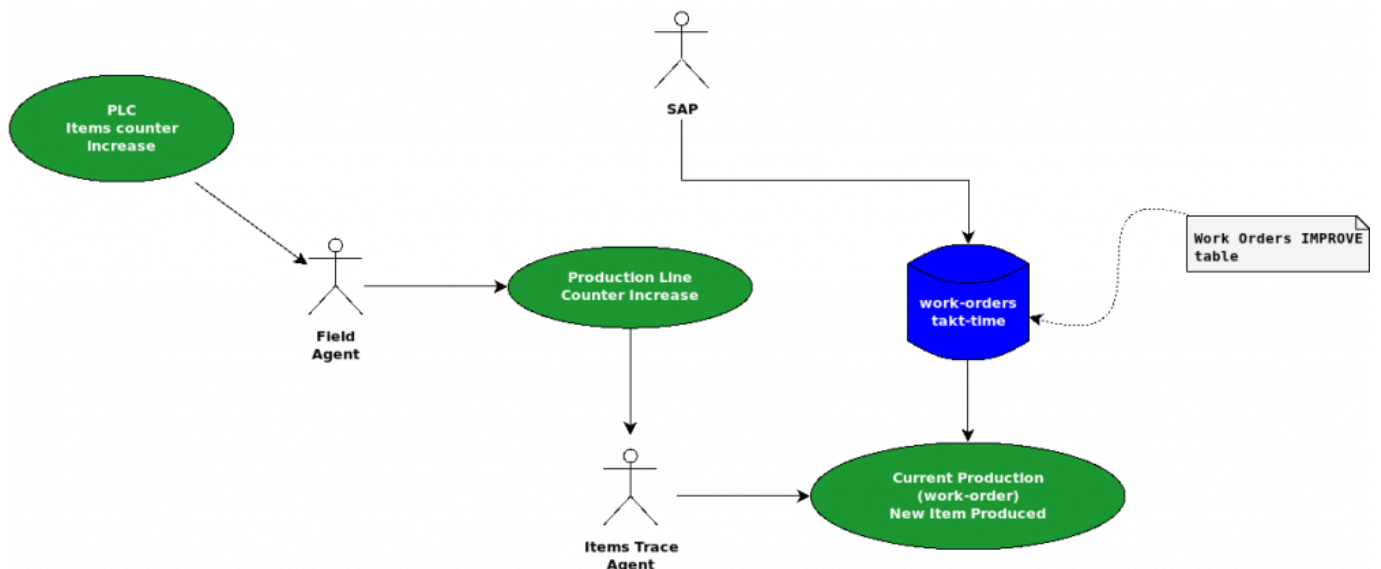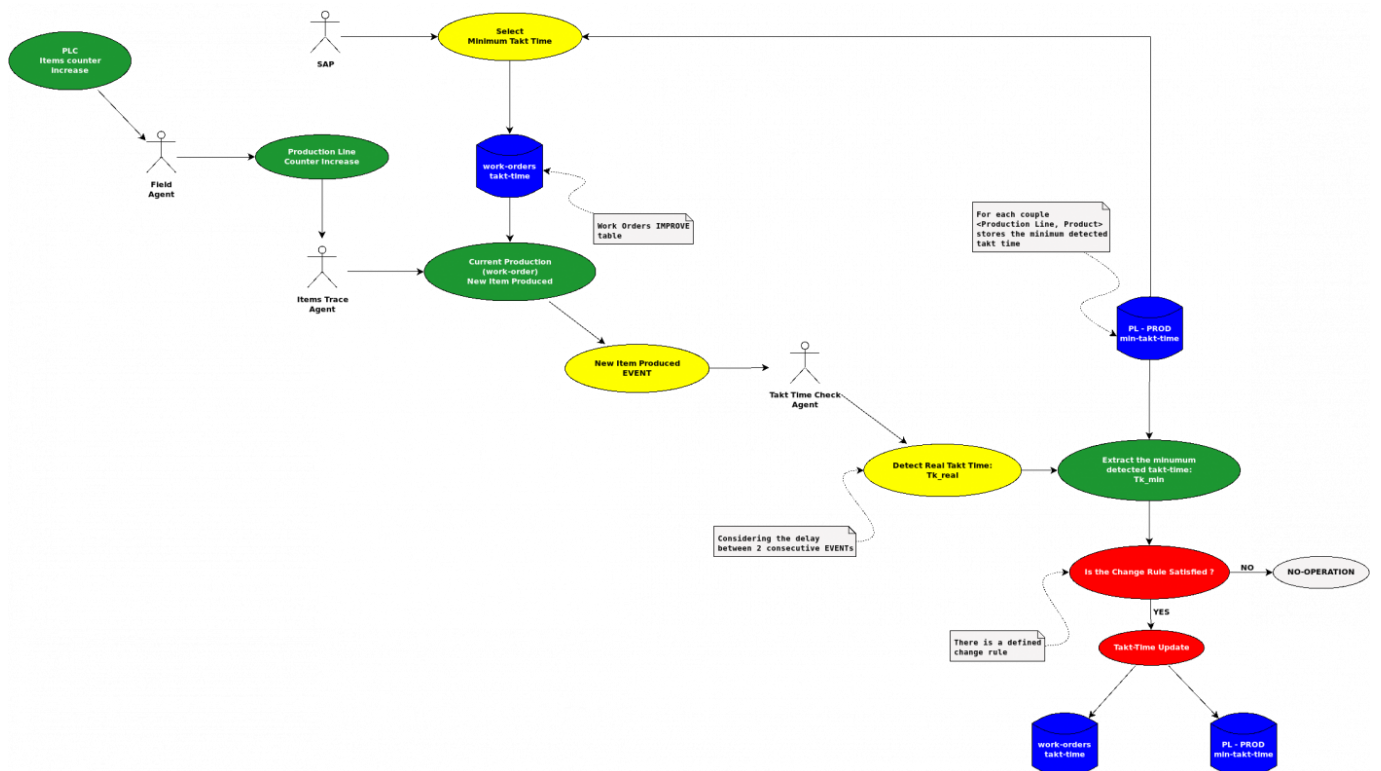# Check of Minimum Takt Time

Current Scenario

Modified Scenario

The Change Rule

next

D = maximum fraction (%) of decrease of Tk_real compared to Tk_min

M = minimum number of consecutive violation events that generates the "Satisfaction of the Change Rul

C = counter of violation events starting with 0

```
Tk_real, Tk_min
        |
        v
if Tk_real < Tk_min  ----NO---->  C = 0
        |                           |
       YES                          v
        |                     Change Rule is not
        v                         satisfied
if ((Tk_min - Tk_real) / Tk_min) < D  ----NO----^
        |
       YES
        |
        v
    C = C + 1
        |
        v
    if C >= M  ----NO----^
        |
       YES
        |
        v
Change Rule is satisfied
```