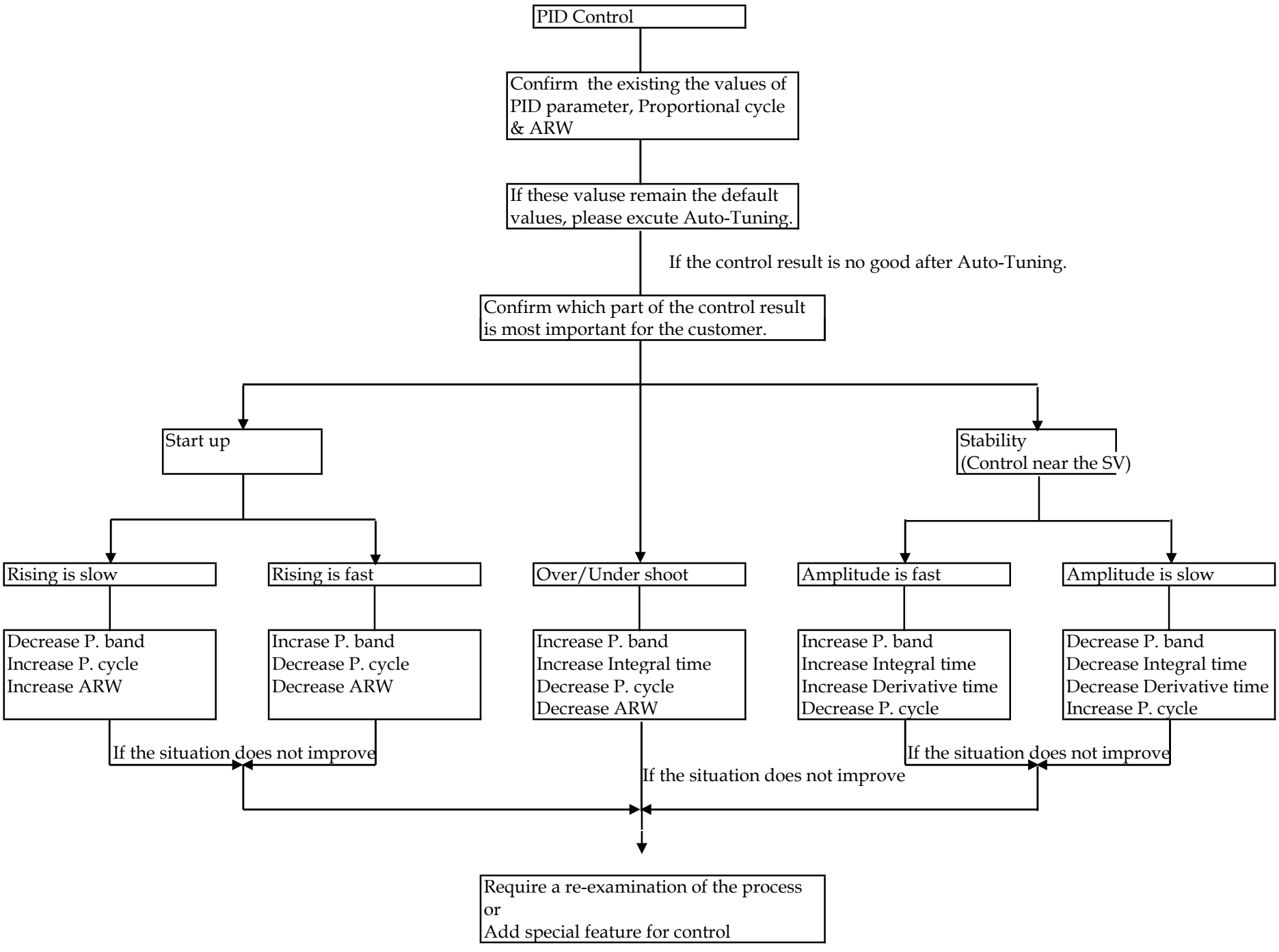
PID Control
Confirm the existing the values of PID parameter, Proportional cycle & ARW
If these valuse remain the default values, please excute Auto-Tuning.
If the control result is no good after Auto-Tuning.
Confirm which part of the control result is most important for the customer.
Start up
Stability (Control near the SV)
Rising is slow
Rising is fast
Over/Under shoot
Amplitude is fast
Amplitude is slow
Decrease P. band
Increase P. cycle
Increase ARW
Incrase P. band
Decrease P. cycle
Decrease ARW
Increase P. band
Increase Integral time
Decrease P. cycle
Decrease ARW
Increase P. band
Increase Integral time
Increase Derivative time
Decrease P. cycle
Decrease P. band
Decrease Integral time
Decrease Derivative time
Increase P. cycle
If the situation does not improve
If the situation does not improve
If the situation does not improve
Require a re-examination of the process
or
Add special feature for control