

# Motion control – whats new ?

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- Better support for Git in TwinCAT 4020;  
We migrate to 4022.4
- Common code is maintained as submodules
- (Since last week)
- Homing sequences broken :-(  
Work ongoing

- Axis Record:  
Still going strong
- Same interface as motor
- Alarms for MISS (Nicos has "not reached")
- Want to have nicos on my Mac ;-)

- 4 States in control screen:

**OK** **BUSY** **WARN** **ERROR**

```
if (STAT == epicsAlarmComm)
  status = ERROR
else if (STAT !=0 && SEVR ==MAJOR)
  status = ERROR
else if (!DMOV || MOVN)
  status = BUSY
else if (MISS)
  status =Warn NotReache
else if (LVIO || LLS || HLS)
  status = WARN
else
  status = OK
```

# TODO

- TODO: Berlin V20
- Need better homing interface
- Amplifier control for Berlin V20
- Slit system: 2 physical + 2 logical axes (xl, xr, xp, xg) (times 2)
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