

| Meeting Protocol | | |
|------------------|---|--|
| ID | PRO-001 | |
| Datum | 21.03.18 | |
| Version | 1 | |
| Hintergrund | Prof. Pareigis hat in der Vorlesung das Meeting veranlasst. | |
| Agenda | <ul style="list-style-type: none"> - Einigung auf Nomenklatur in der Dokumentation - Definition der HW Interfaces | |
| Beschlüsse | BES-001 | In der Implementation sind ausschließlich englische Namen zu verwenden |
| | BES-002 | Bezeichnungen für Pins sind beschlossen worden. (Siehe Tabelle A in PRO-001) |
| | BES-003 | HW Interfaces sind beschlossen worden. (Siehe Tabelle B in PRO-001) |
| | | |
| Offen | -/- | |

| Port.Pin | Name |
|-----------------|---------------------|
| A.0 | Motor_right |
| A.1 | Motor_left |
| A.2 | Motor_slow |
| A.3 | Motor_disable |
| A.4 | Switch_out |
| A.5 | Lights_Red |
| A.6 | Lights_Yellow |
| A.7 | Lights_Green |
| B.0 | LB_Start |
| B.1 | LB_HeightSensor |
| B.2 | HeightSensor_status |
| B.3 | LB_Switch |
| B.4 | MetalSensor |
| B.5 | Switch_in |
| B.6 | LB_Ramp |
| B.7 | LB_End |
| C.0 | LED_Start |
| C.1 | LED_Reset |
| C.2 | LED_Q1 |
| C.3 | LED_Q2 |
| C.4 | START |
| C.5 | STOP |
| C.6 | RESET |
| C.7 | ESTOP |

Tabelle A

| Name | Operations | Enum |
|---------------|---|--|
| Motor | <ul style="list-style-type: none"> + start() + stop() + slow() + fast() + disable() + enable() + isRunning() : bool + isFast() : bool + isEnabled() : bool | |
| Switch | <ul style="list-style-type: none"> + open() + close() + isOpen() : bool | |
| Lights | <ul style="list-style-type: none"> + turnOn(Light) + turnOff(Light) + flash(Light) | <pre>Light { + RED + YELLOW + GREEN }</pre> |
| Buttons | <ul style="list-style-type: none"> + isPressed(Button) : bool | <pre>Button { + START + STOP + RESET + ESTOP }</pre> |
| LEDs | <ul style="list-style-type: none"> + turnOn(LED) + turnOff(LED) | <pre>LED { + START + STOP + Q1 + Q2 }</pre> |
| LightBarriers | <ul style="list-style-type: none"> + isBroken(LightBarrier) : bool | <pre>LightBarrier { + START + END + SWITCH + RAMP + HEIGHTSENSOR }</pre> |

| | | |
|--------------|--|--|
| HeightSensor | + isValid() : bool + measure() : uint16_t | |
| MetalSensor | + isMetal() : bool | |

Tabelle B