

07

SATURDAY

WEEK 40 • 280-085

common terminology

OCTOBER

2023

SWA software watchdog alert
SWC to fail safe

09

SWC

~~SWC~~

SW communication

10

SWA Throttling → like failsafe

GCS → ground control/station

11

PID algo for balancing errors

12

flowchart

① Start

↓

② Initialize device and check sensor connections

↓

③ LOAD PID GAIN send to GCS

↓

④ IBUS reception check.

↓

SWC upper

Lower
Esc
calibration

~~BA~~ (FC)
calibration

08 SUNDAY

SWA and

throttle check

OCTOBER 2023

M	T	W	T	F	S	S
30	31					1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

vehicle

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2023

MONDAY
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09

vehicle



sensor Interface



Receive GPS data



Receive Transmitter data



EEPROM data Read / write

(basically on the storage chip may be)



Data communication between
FC and GCS



failsafe check



PID gain value control

NOVEMBER 2023

T	W	T	F	S	S
	1	2	3	4	5
7	8	9	10	11	12

10

TUESDAY

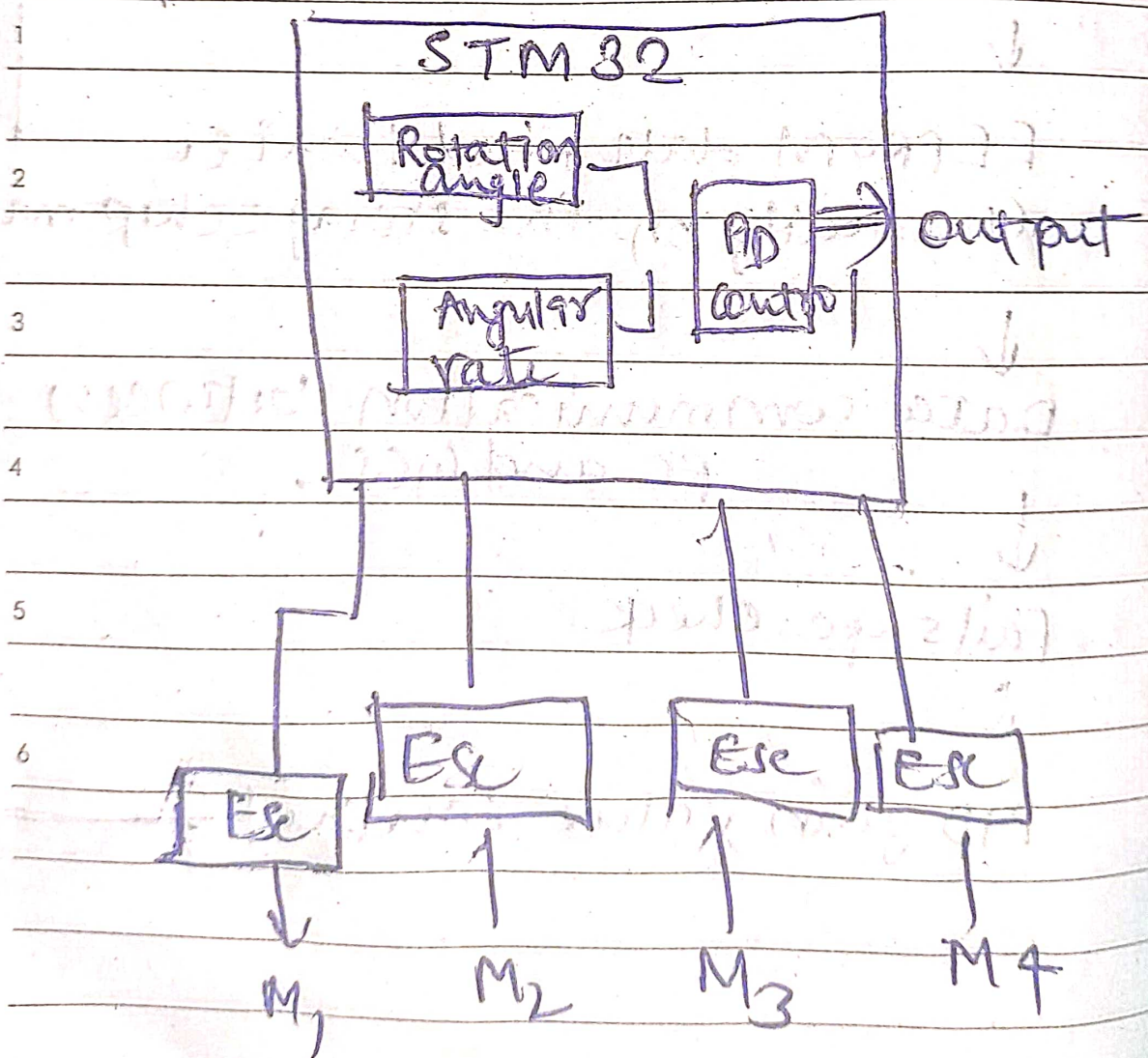
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* Image processing will be done in Raspberry pi.

* Flight controller part will be held by STM32 based chipset.
i.e. drag-zero

* STM32 PE



OCTOBER 2023

M	T	W	T	F	S
30	31			6	7
2	3	4	5	13	14

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2023

WEDNESDAY

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* RC ->

{ Transmitter
and
Receiver }

09

10

11

12

1

2

3

4

5

6

NOVEMBER 2023

M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26