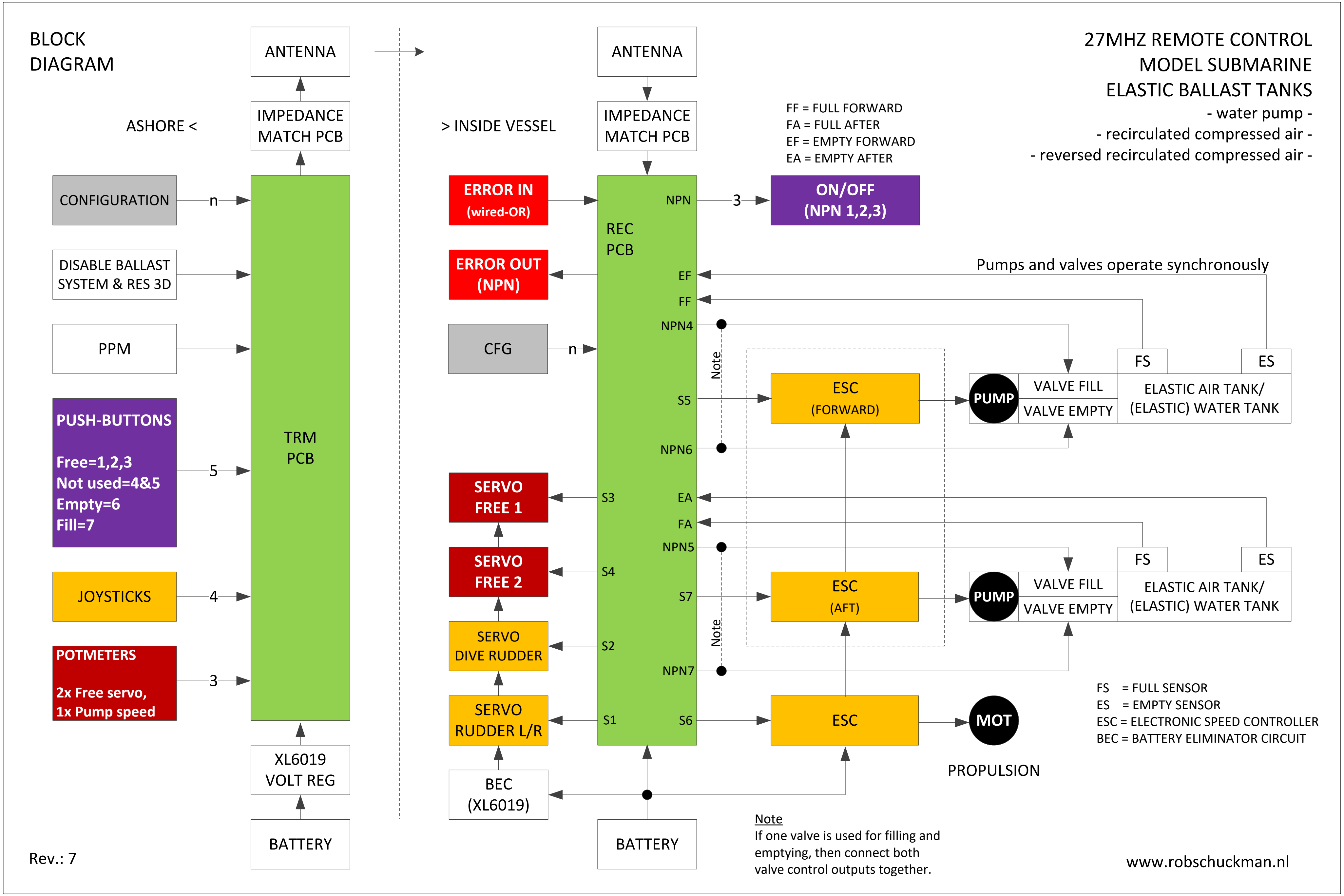
BLOCK DIAGRAM
27MHZ REMOTE CONTROL
MODEL SUBMARINE
ELASTIC BALLAST TANKS
- water pump -
- recirculated compressed air -
- reversed recirculated compressed air -
ASHORE <
> INSIDE VESSEL
ANTENNA
IMPEDANCE MATCH PCB
CONFIGURATION
n
DISABLE BALLAST SYSTEM & RES 3D
PPM
PUSH-BUTTONS
Free=1,2,3
Not used=4&5
Empty=6
Fill=7
5
JOYSTICKS
4
POTMETERS
2x Free servo,
1x Pump speed
3
TRM PCB
XL6019 VOLT REG
BATTERY
ANTENNA
IMPEDANCE MATCH PCB
ERROR IN (wired-OR)
ERROR OUT (NPN)
CFG
n
REC PCB
NPN
3
ON/OFF (NPN 1,2,3)
FF = FULL FORWARD
FA = FULL AFTER
EF = EMPTY FORWARD
EA = EMPTY AFTER
Pumps and valves operate synchronously
EF
FF
NPN4
S5
NPN6
EA
FA
NPN5
S7
NPN7
S6
S3
S4
S2
S1
Note
Note
ESC (FORWARD)
ESC (AFT)
ESC
PUMP
VALVE FILL
VALVE EMPTY
FS
ES
ELASTIC AIR TANK/ (ELASTIC) WATER TANK
PUMP
VALVE FILL
VALVE EMPTY
FS
ES
ELASTIC AIR TANK/ (ELASTIC) WATER TANK
MOT
PROPULSION
SERVO FREE 1
SERVO FREE 2
SERVO DIVE RUDDER
SERVO RUDDER L/R
BEC (XL6019)
BATTERY
FS = FULL SENSOR
ES = EMPTY SENSOR
ESC = ELECTRONIC SPEED CONTROLLER
BEC = BATTERY ELIMINATOR CIRCUIT
Note
If one valve is used for filling and emptying, then connect both valve control outputs together.
Rev.: 7
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