How to prepare easYgen-3000XT for changing Operation Modes remotely

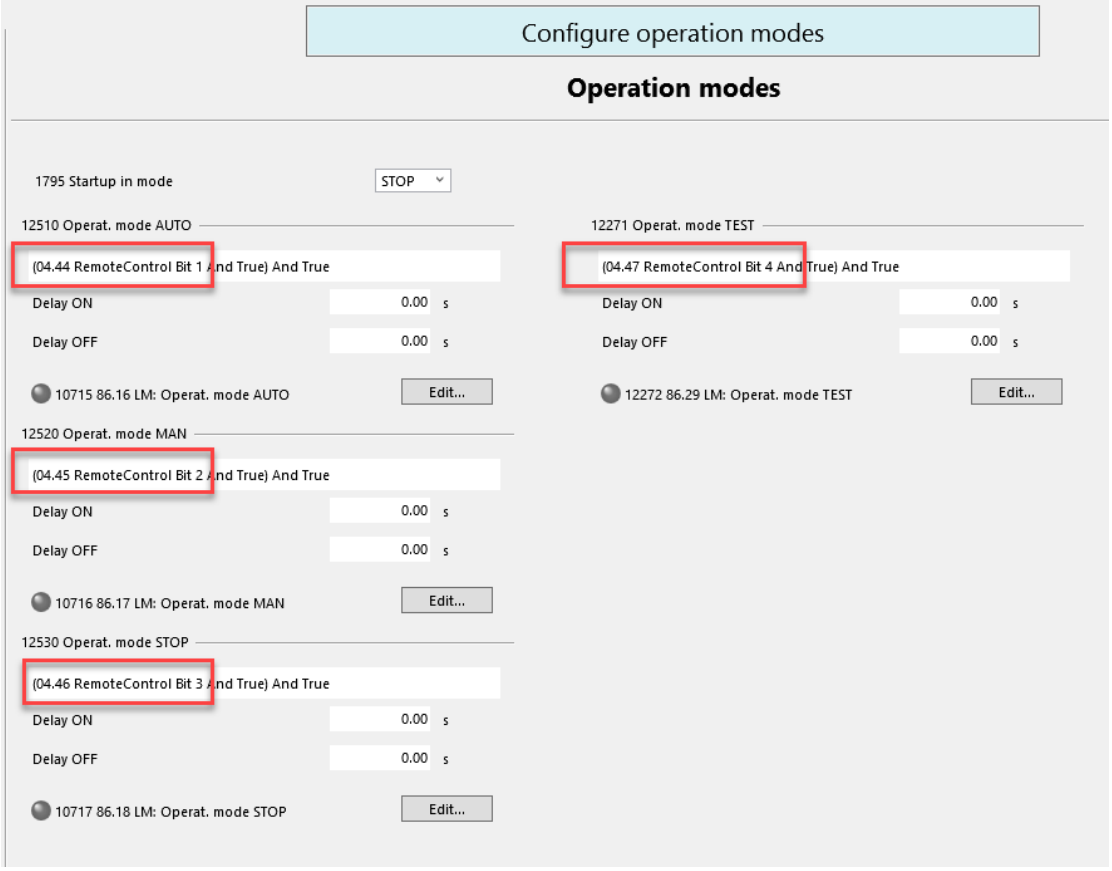
Özgür Tosun - 2024-09-27 - easYgen-3000XT

How to configure easYgen-3000XT in order to change Operation Modes remotely

To make the Operation Modes change remotely, it needs **two simple** steps

1.) Configure the easYgens' Operation Modes parameters first, in order to make the operation modes remote controllable

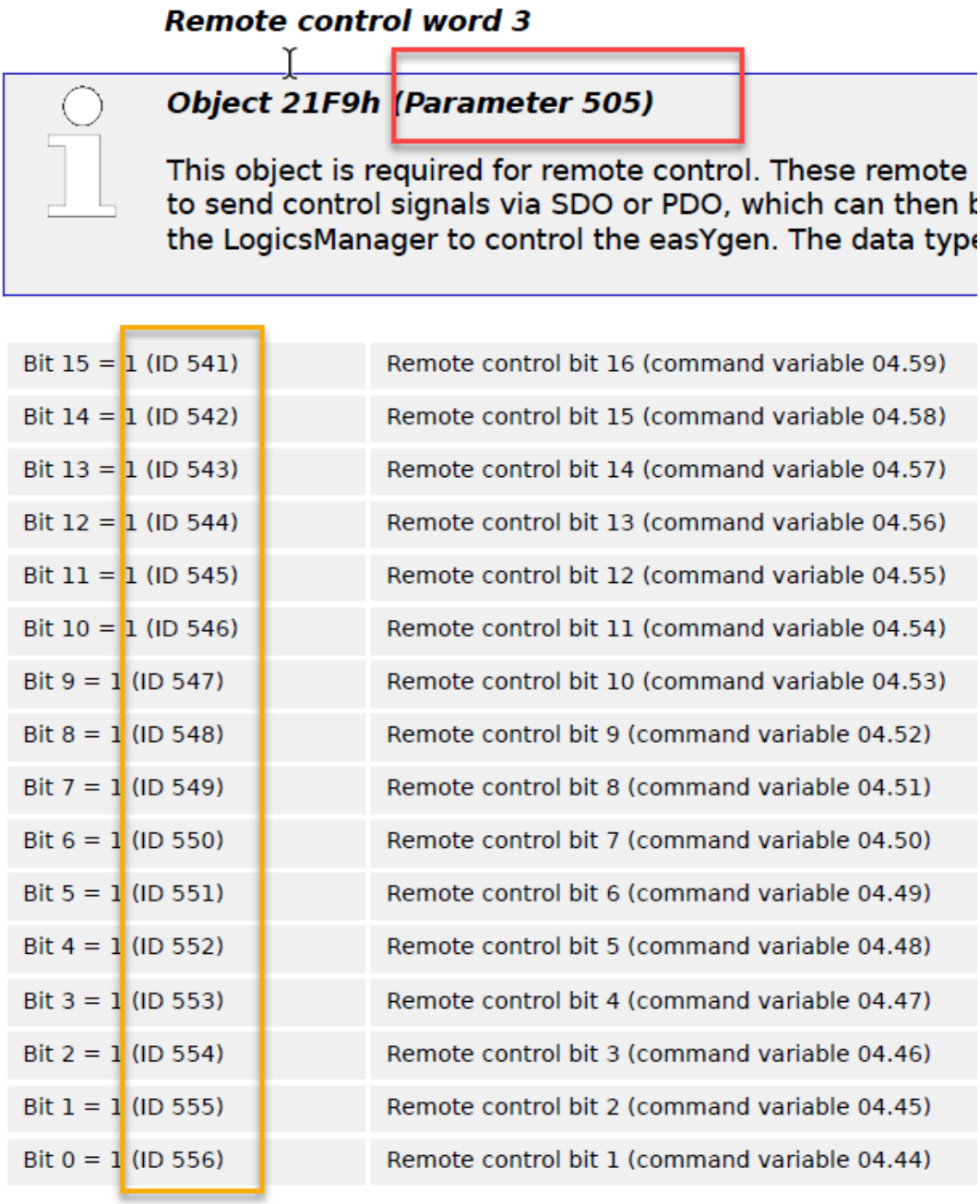
--> e.g. Edit the according LogicsManagers this way



2.) Write the Remote Control Bits in the appropriate register by your PLC/SCADA system...

- either by Modbus register **505:** to write all 16 Bits in one go, see below in **RED**

- or Modbus register **556** (Remote Control Bit 1) to **541** (Remote Control Bit 16): to write every single Bit separately, see below in **YELLOW**



Remote control word 3

Object 21F9h (Parameter 505)

This object is required for remote control. These remote
to send control signals via SDO or PDO, which can then b
the LogicsManager to control the easYgen. The data type

Bit 15 = 1 (ID 541)	Remote control bit 16 (command variable 04.59)
Bit 14 = 1 (ID 542)	Remote control bit 15 (command variable 04.58)
Bit 13 = 1 (ID 543)	Remote control bit 14 (command variable 04.57)
Bit 12 = 1 (ID 544)	Remote control bit 13 (command variable 04.56)
Bit 11 = 1 (ID 545)	Remote control bit 12 (command variable 04.55)
Bit 10 = 1 (ID 546)	Remote control bit 11 (command variable 04.54)
Bit 9 = 1 (ID 547)	Remote control bit 10 (command variable 04.53)
Bit 8 = 1 (ID 548)	Remote control bit 9 (command variable 04.52)
Bit 7 = 1 (ID 549)	Remote control bit 8 (command variable 04.51)
Bit 6 = 1 (ID 550)	Remote control bit 7 (command variable 04.50)
Bit 5 = 1 (ID 551)	Remote control bit 6 (command variable 04.49)
Bit 4 = 1 (ID 552)	Remote control bit 5 (command variable 04.48)
Bit 3 = 1 (ID 553)	Remote control bit 4 (command variable 04.47)
Bit 2 = 1 (ID 554)	Remote control bit 3 (command variable 04.46)
Bit 1 = 1 (ID 555)	Remote control bit 2 (command variable 04.45)
Bit 0 = 1 (ID 556)	Remote control bit 1 (command variable 04.44)

Doing so, the Operation Modes change upon triggering the appropriate Remote Bits.

- *タグ*
- CAN bus
- easYgen-3000XT
- Modbus
- Remote Control