

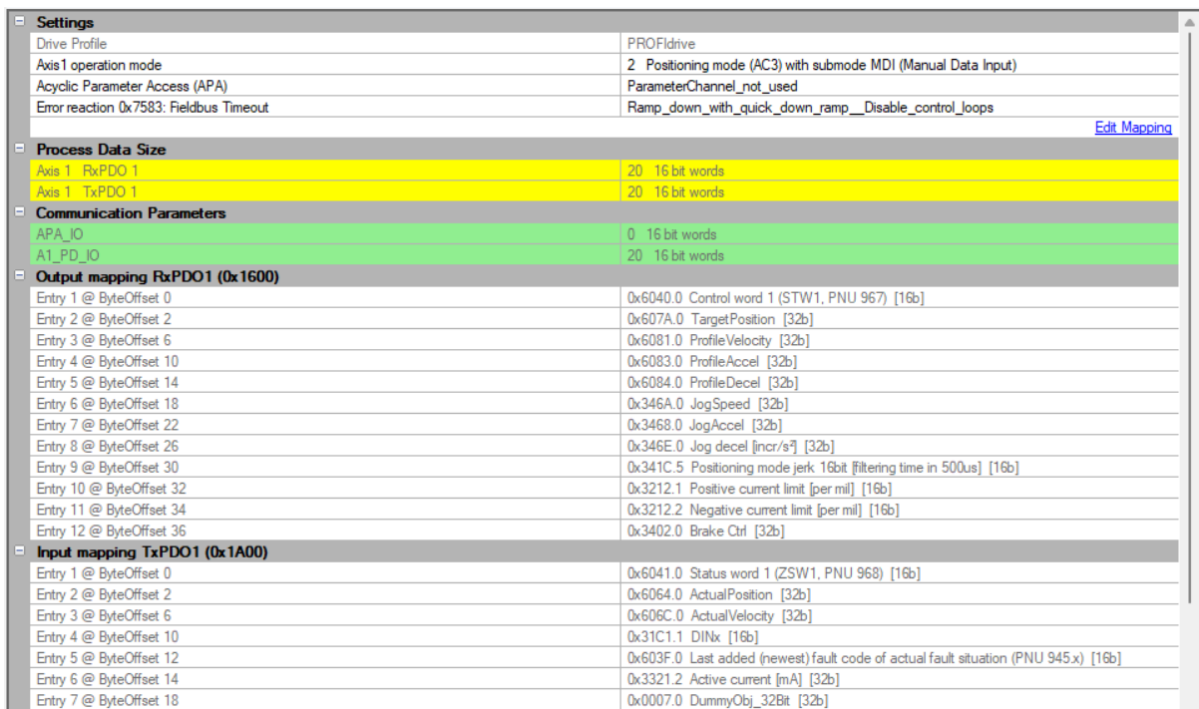
## 2. Configurazione del PSD1 Motor Drive

### Impostazioni Device

- In *Device* > *Device Settings* > *PSD multi fieldbus*: `Fieldbus type = Profinet`

### Impostazioni Profinet

- In *Axis 1* > *PROFINET* modificare gli oggetti inviati e ricevuti come nella seguente immagine



| Settings                                |   |
|---|---|
| Drive Profile                           | PROFdrive   |
| Axis1 operation mode                    | 2 Positioning mode (AC3) with submode MDI (Manual Data Input)                       |
| Acyclic Parameter Access (APA)          | ParameterChannel_not_used   |
| Error reaction 0x7583: Fieldbus Timeout | Ramp_down_with_quick_down_ramp_Disable_control_loops                                |
| <a href="#">Edit Mapping</a>            |   |
| Process Data Size                       |   |
| Axis 1 RxD01                            | 20 16 bit words   |
| Axis 1 TxPDO1                           | 20 16 bit words   |
| Communication Parameters                |   |
| APA_IO                                  | 0 16 bit words  |
| A1_PD_IO                                | 20 16 bit words   |
| Output mapping RxD01 (0x1600)           |   |
| Entry 1 @ ByteOffset 0                  | 0x6040.0 Control word 1 (STW1, PNU 967) [16b]                                       |
| Entry 2 @ ByteOffset 2                  | 0x607A.0 TargetPosition [32b]   |
| Entry 3 @ ByteOffset 6                  | 0x6081.0 ProfileVelocity [32b]  |
| Entry 4 @ ByteOffset 10                 | 0x6083.0 ProfileAccel [32b]   |
| Entry 5 @ ByteOffset 14                 | 0x6084.0 ProfileDecel [32b]   |
| Entry 6 @ ByteOffset 18                 | 0x346A.0 JogSpeed [32b]   |
| Entry 7 @ ByteOffset 22                 | 0x3468.0 JogAccel [32b]   |
| Entry 8 @ ByteOffset 26                 | 0x346E.0 Jog decel [incr/s <sup>2</sup> ] [32b]                                     |
| Entry 9 @ ByteOffset 30                 | 0x341C.5 Positioning mode jerk 16bit [filtering time in 500us] [16b]                |
| Entry 10 @ ByteOffset 32                | 0x3212.1 Positive current limit [per mil] [16b]                                     |
| Entry 11 @ ByteOffset 34                | 0x3212.2 Negative current limit [per mil] [16b]                                     |
| Entry 12 @ ByteOffset 36                | 0x3402.0 Brake Ctrl [32b]   |
| Input mapping TxPDO1 (0x1A00)           |   |
| Entry 1 @ ByteOffset 0                  | 0x6041.0 Status word 1 (ZSW1, PNU 968) [16b]  |
| Entry 2 @ ByteOffset 2                  | 0x6064.0 ActualPosition [32b]   |
| Entry 3 @ ByteOffset 6                  | 0x606C.0 ActualVelocity [32b]   |
| Entry 4 @ ByteOffset 10                 | 0x31C1.1 DINx [16b]   |
| Entry 5 @ ByteOffset 12                 | 0x603F.0 Last added (newest) fault code of actual fault situation (PNU 945.x) [16b] |
| Entry 6 @ ByteOffset 14                 | 0x3321.2 Active current [mA] [32b]  |
| Entry 7 @ ByteOffset 18                 | 0x0007.0 DummyObj_32Bit [32b]   |

È ora possibile **effettuare il download** della configurazione sul PSD.

Revision #1

Created 2024-11-05 16:26:11 UTC by Davide Molino

Updated 2024-11-05 16:32:32 UTC by Davide Molino