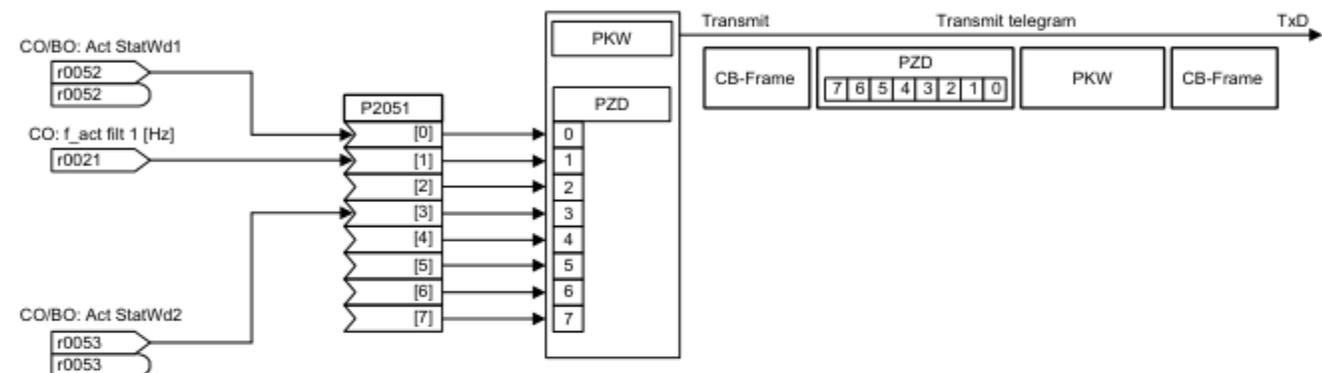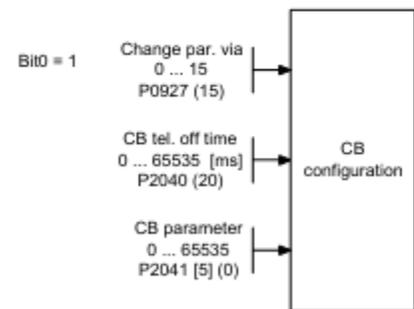Bit00 Drive ready
Bit01 Drive ready to run
Bit02 Drive running
Bit03 Drive fault active
Bit04 OFF2 active
Bit05 OFF3 active
Bit06 ON inhibit active
Bit07 Drive warning active
Bit08 Deviation setpoint / act. value
Bit09 PZD control
Bit10 Maximum frequency reached
Bit11 Warning: Motor current
Bit12 Motor holding brake active
Bit13 Motor overload
Bit14 Motor runs right
Bit15 Inverter overload

Bit00 DC brake active
Bit01 Act. freq. r0021 > P2167 (f_off)
Bit02 Act. freq. r0021 > P1080 (f_min)
Bit03 Act. current r0027 >= P2170
Bit04 Act. freq. r0021 >= P2155 (f_1)
Bit05 Act. freq. r0021 < P2155 (f_1)
Bit06 Act. freq. r0021 >= setpoint
Bit07 Act. Vdc r0026 < P2172
Bit08 Act. Vdc r0026 > P2172
Bit09 Ramping finished
Bit10 PID output r2294 == P2292 (PID_min)
Bit11 PID output r2294 == P2291 (PID_max)
Bit14 Download data set 0 from AOP
Bit15 Download data set 1 from AOP

CO/BO: Act StatWd1
r0052
r0052

CO: f_act filt 1 [Hz]
r0021

CO/BO: Act StatWd2
r0053
r0053

P2051
[0]
[1]
[2]
[3]
[4]
[5]
[6]
[7]

PKW

PZD
0
1
2
3
4
5
6
7

Note:
P2051[0] = 52
P2051[1] = 21
P2051[3] = 53
are default settings

Transmit   Transmit telegram   TxD

CB-Frame
PZD
7 6 5 4 3 2 1 0
PKW
CB-Frame

Bit0 = 1

Change par. via
0 ... 15
P0927 (15)

CB tel. off time
0 ... 65535 [ms]
P2040 (20)

CB parameter
0 ... 65535
P2041 [5] (0)

CB
configuration

1	2	3	4	5	6	7	8

External Interfaces

CB on COM link, Transmitting

2710_CBonCOM.vsd

16.01.2006   V2.1

Function diagram

MICROMASTER 440

- 2710 -

EFTA01216564