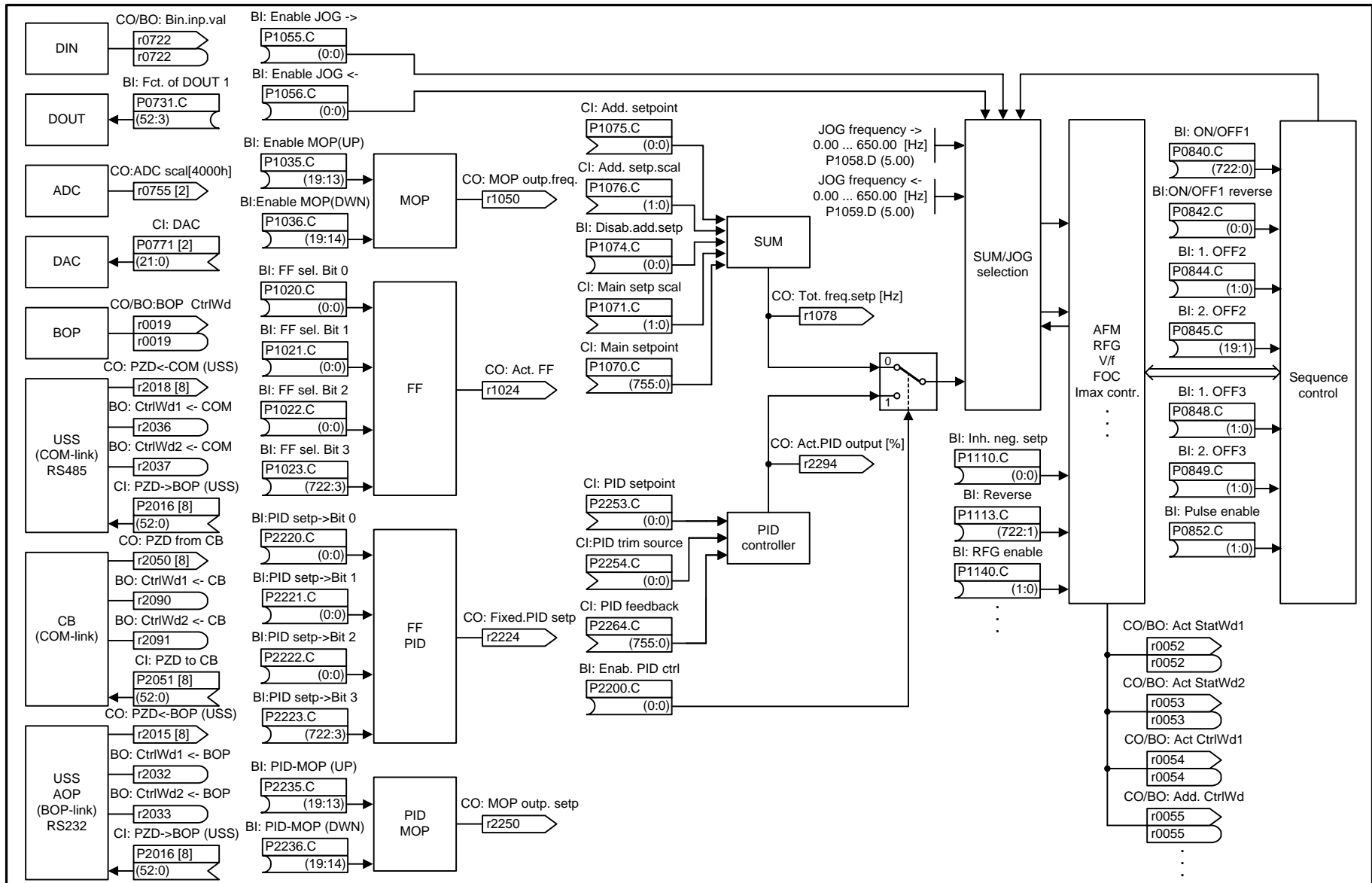
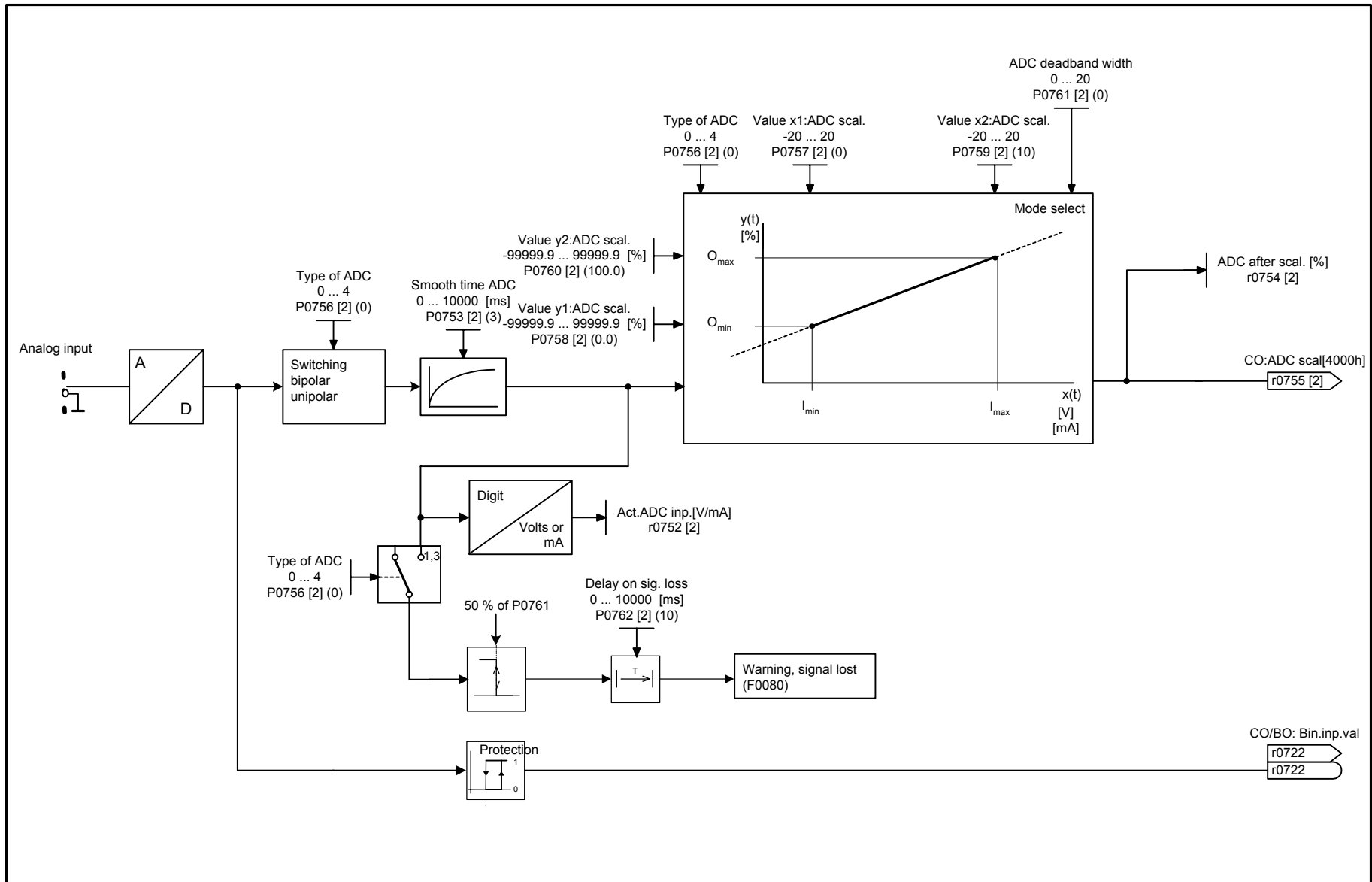


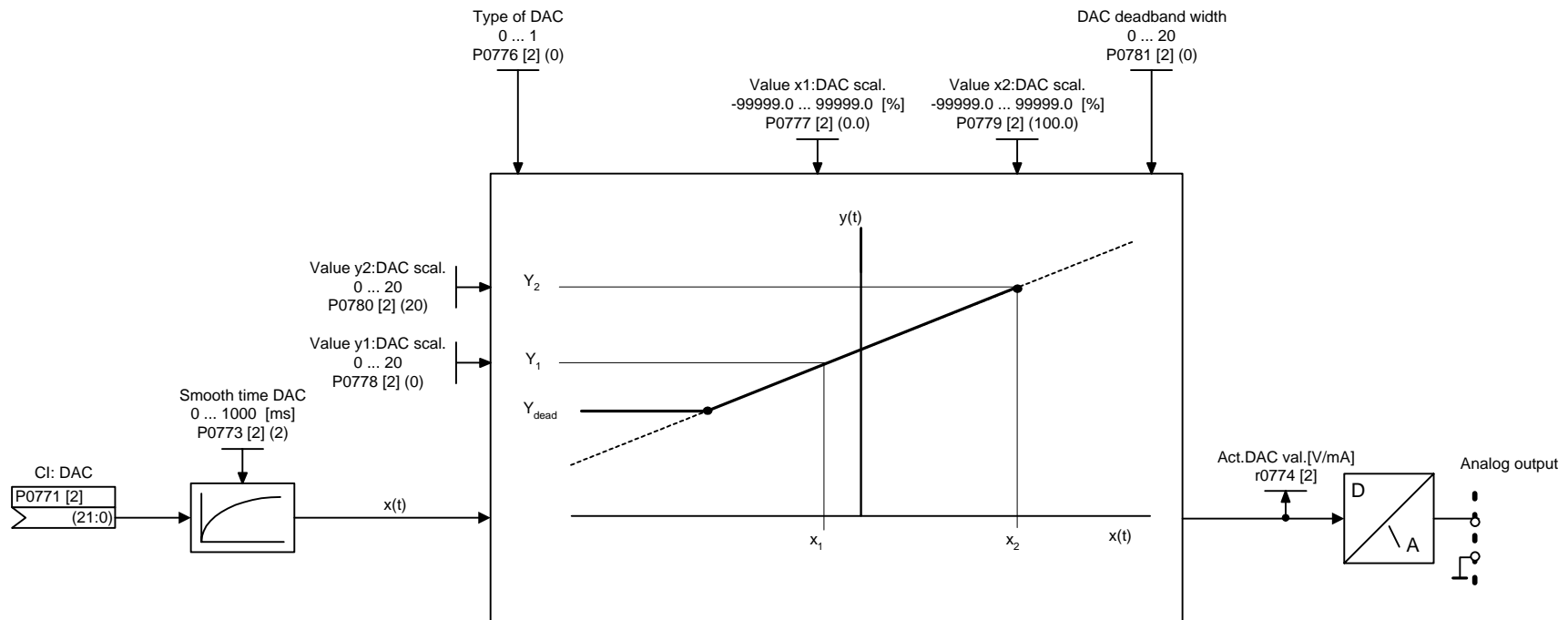
1	2	3	4	5	6	7	8
Overview					1100_Overview.vsd	Function diagram	
General Overview					06.07.2001 V1.1	MICROMASTER 440	
- 1100 -							



1	2	3	4	5	6	7	8
Overview					1200_BICO_Overv.vsd	Function diagram	
Connection of External and Internal Setpoints					24.07.2001 V1.1	MICROMASTER 440	
- 1200 -							

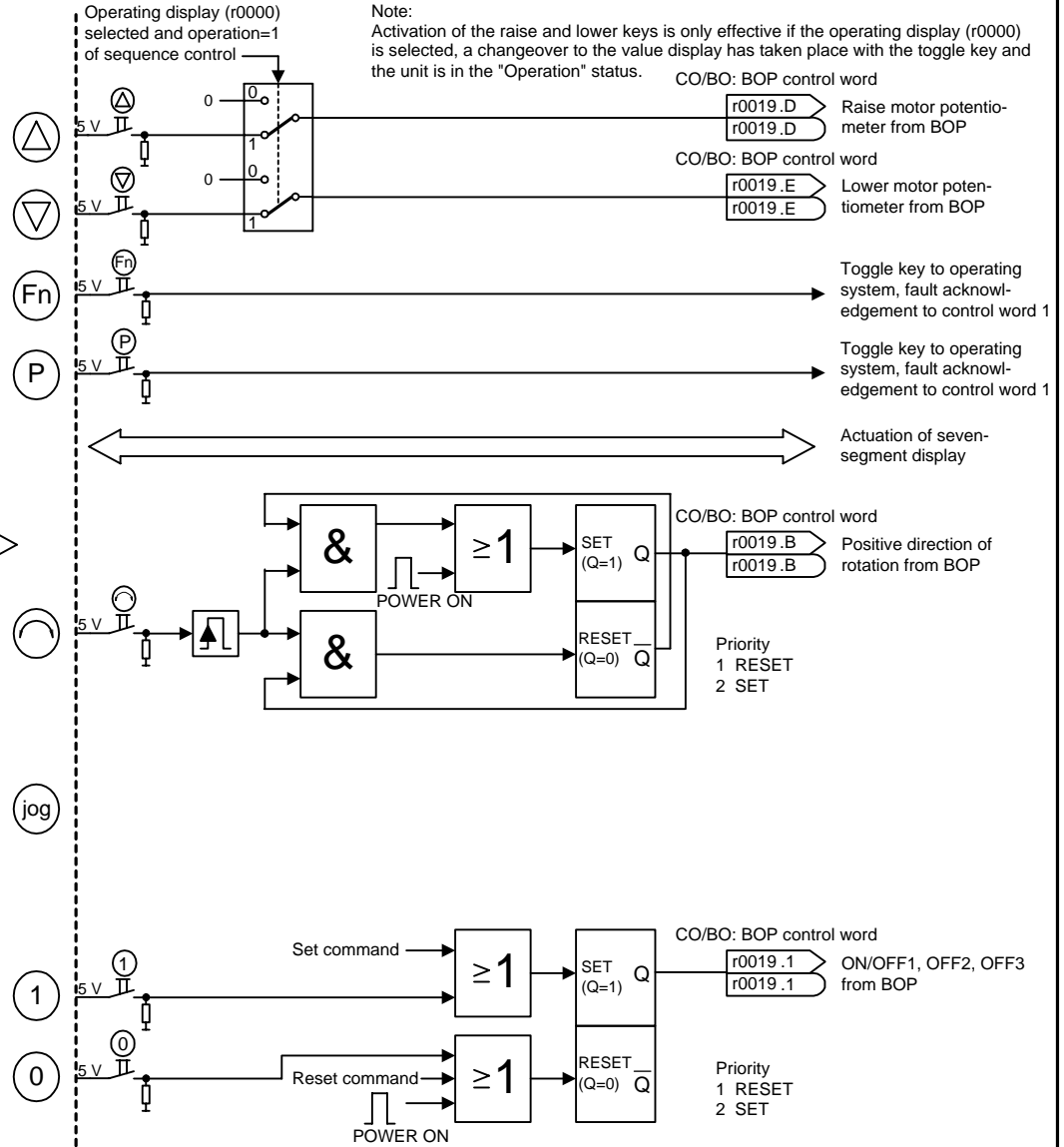
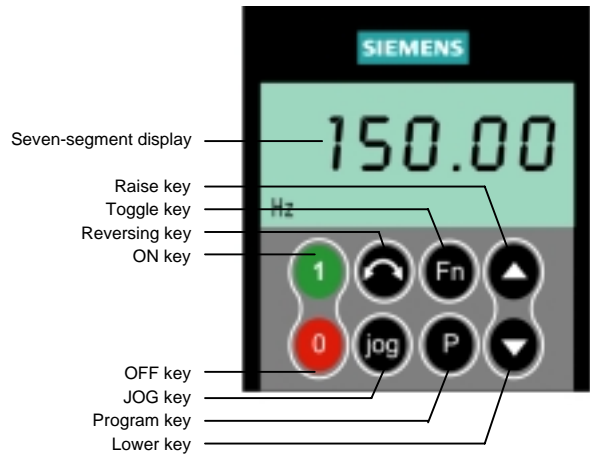


1	2	3	4	5	6	7	8
External Command + Setpoint Source					2200_ADC.vsd	Function diagram	
Analog Input (ADC)					09.08.2001 V1.1	MICROMASTER 440	
					- 2200 -		

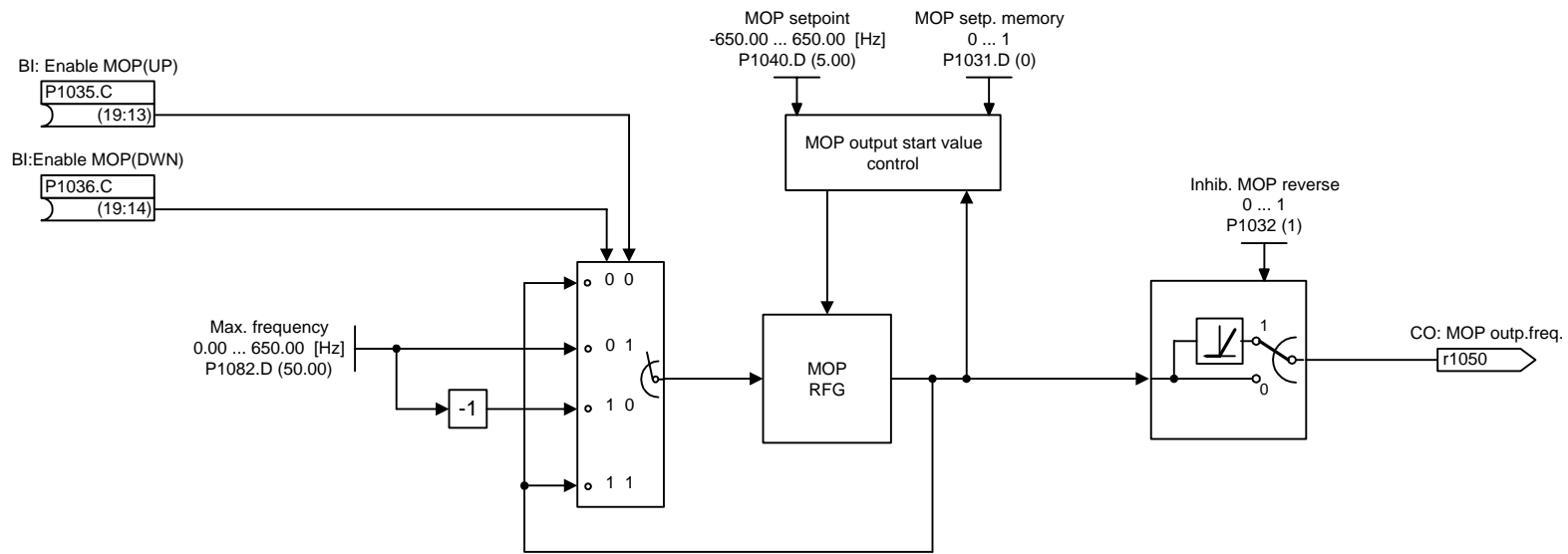


1	2	3	4	5	6	7	8
External Command + Setpoint Source					2300_DAC.vsd	Function diagram	
Analog Output (DAC)					14.05.2001 V1.1	MICROMASTER 440	
- 2300 -							

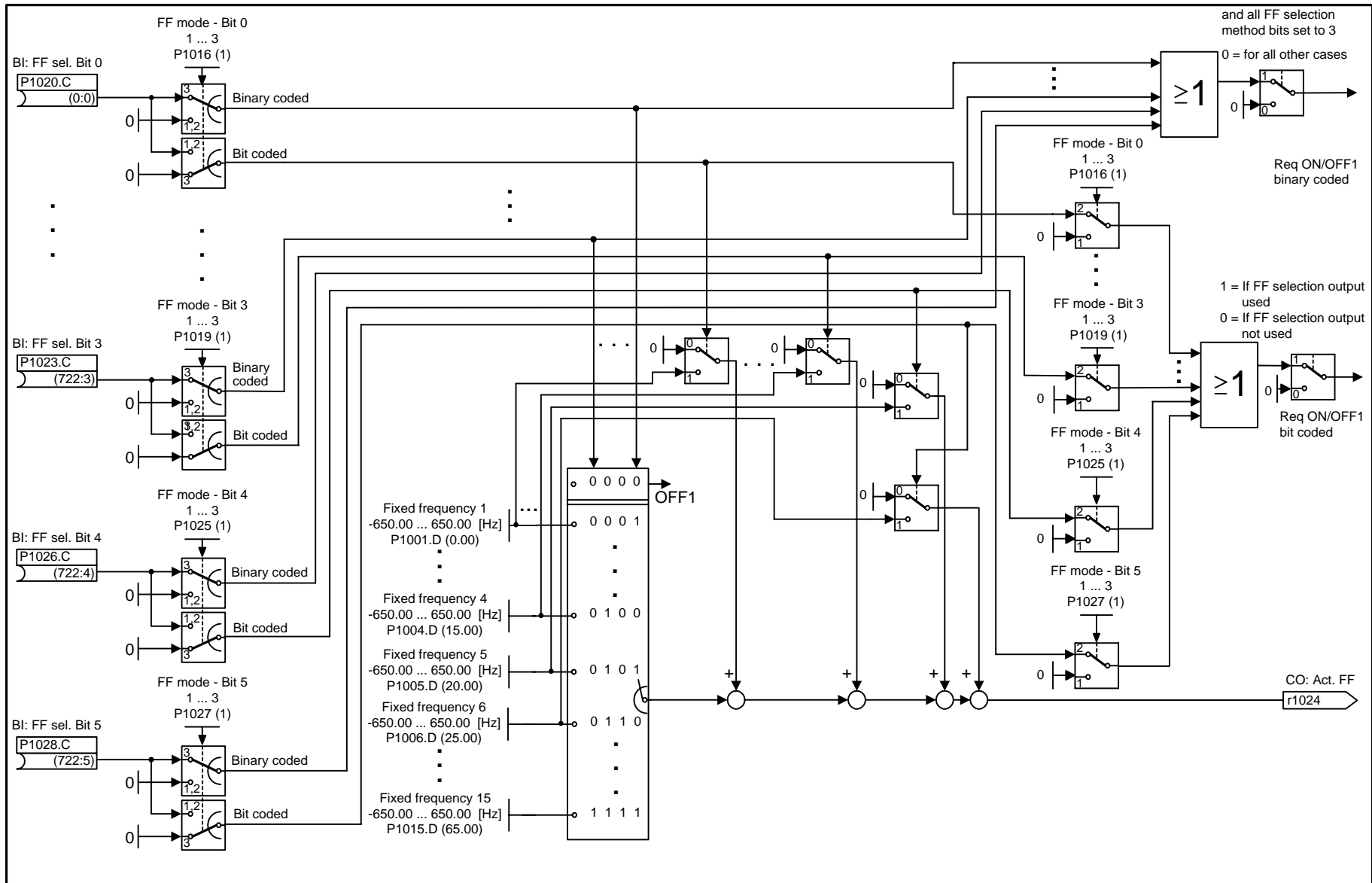
Basic Operator Panel BOP



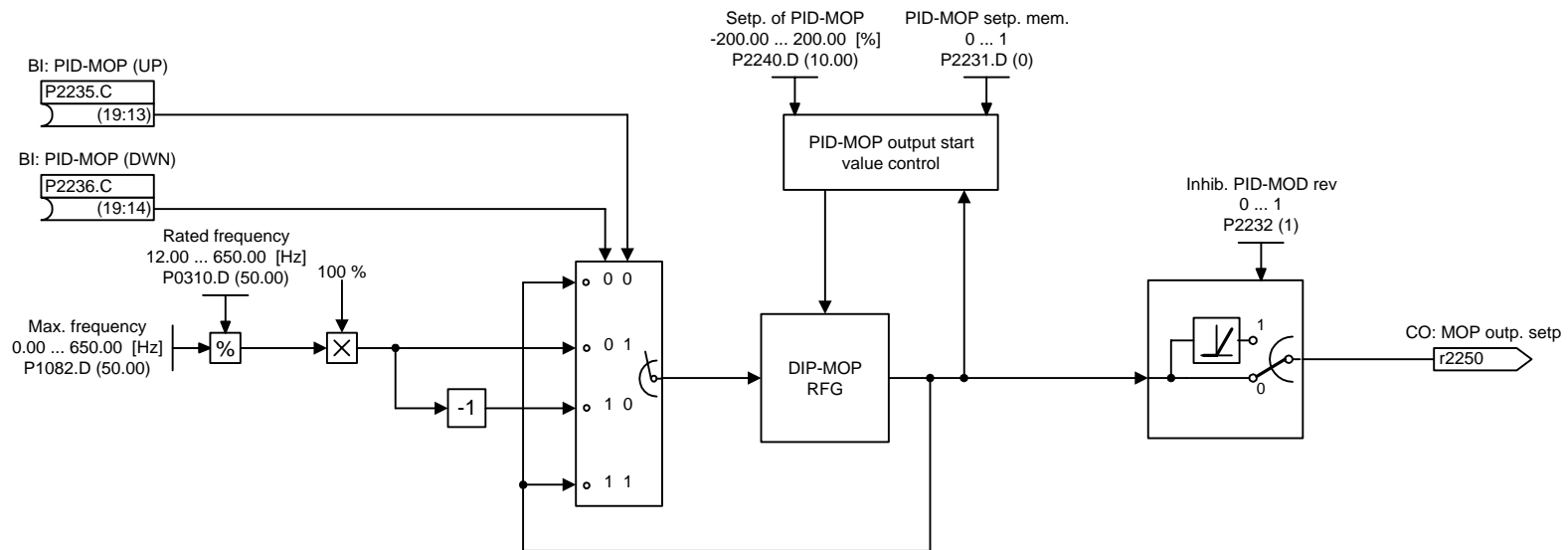
1	2	3	4	5	6	7	8
External Command + Setpoint Source					2400_BOP.vsd	Function diagram	
Basic Operator Panel (BOP)					14.03.2001 V1.1	MICROMASTER 440	



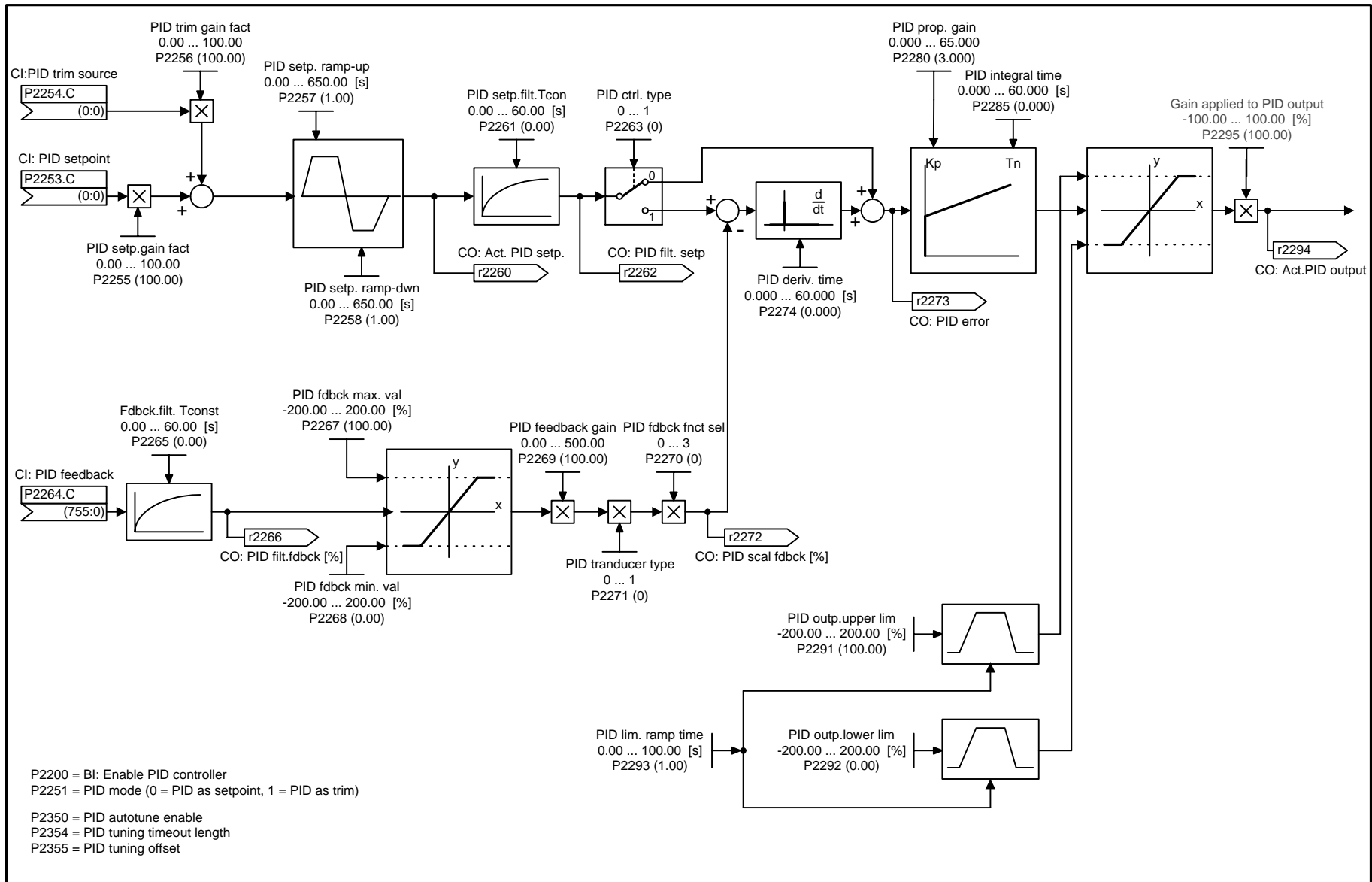
1	2	3	4	5	6	7	8
Internal Setpoint Source					3100_MOP.vsd	Function diagram	
Motor Potentiometer (MOP)					06.07.2001 V1.1	MICROMASTER 440	
- 3100 -							



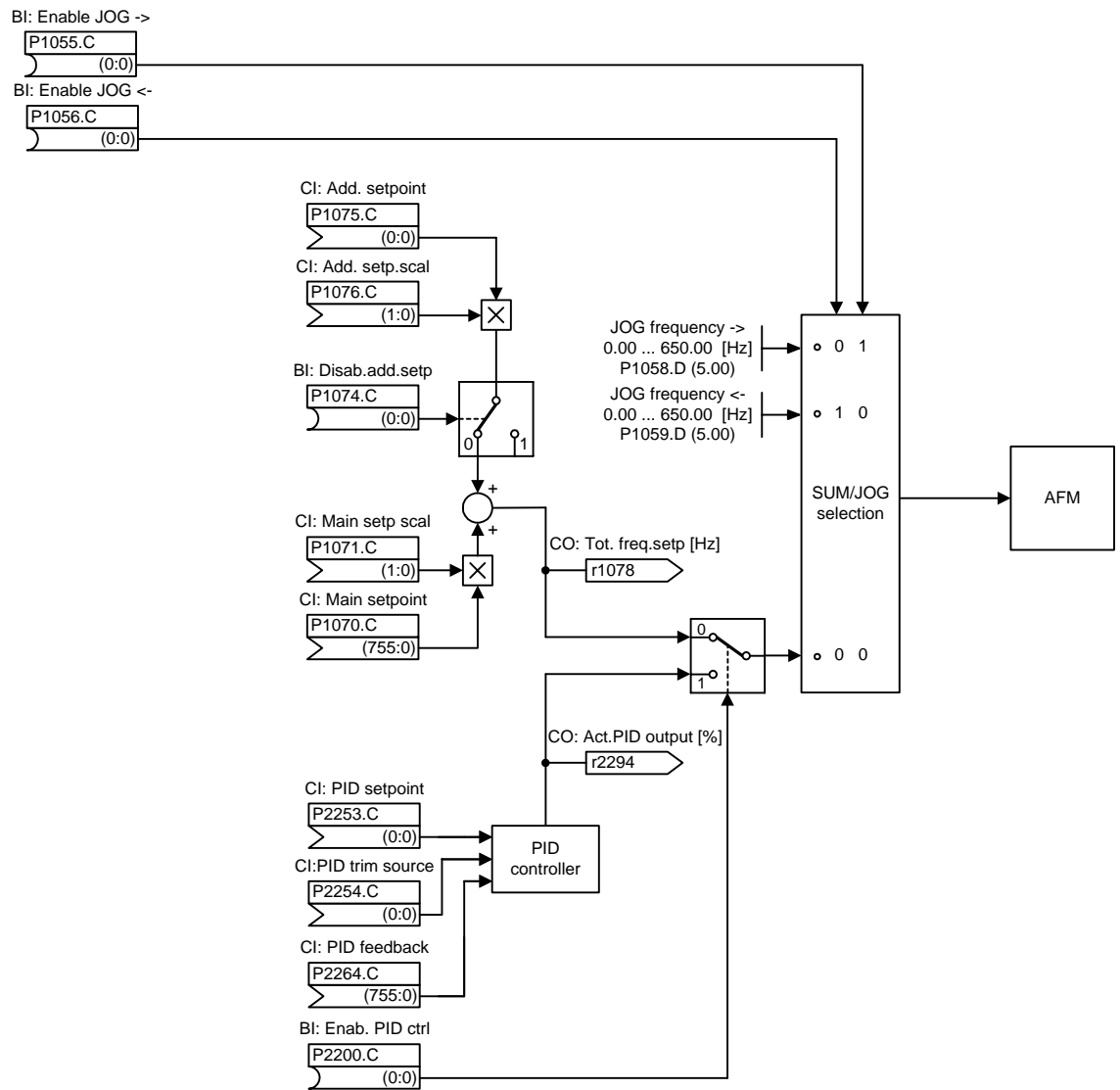
1	2	3	4	5	6	7	8
Internal Setpoint Source					3200_FF.vsd	Function diagram	
Fixed Frequency (FF)					20.07.2001 V1.1	MICROMASTER 440	
- 3200 -							



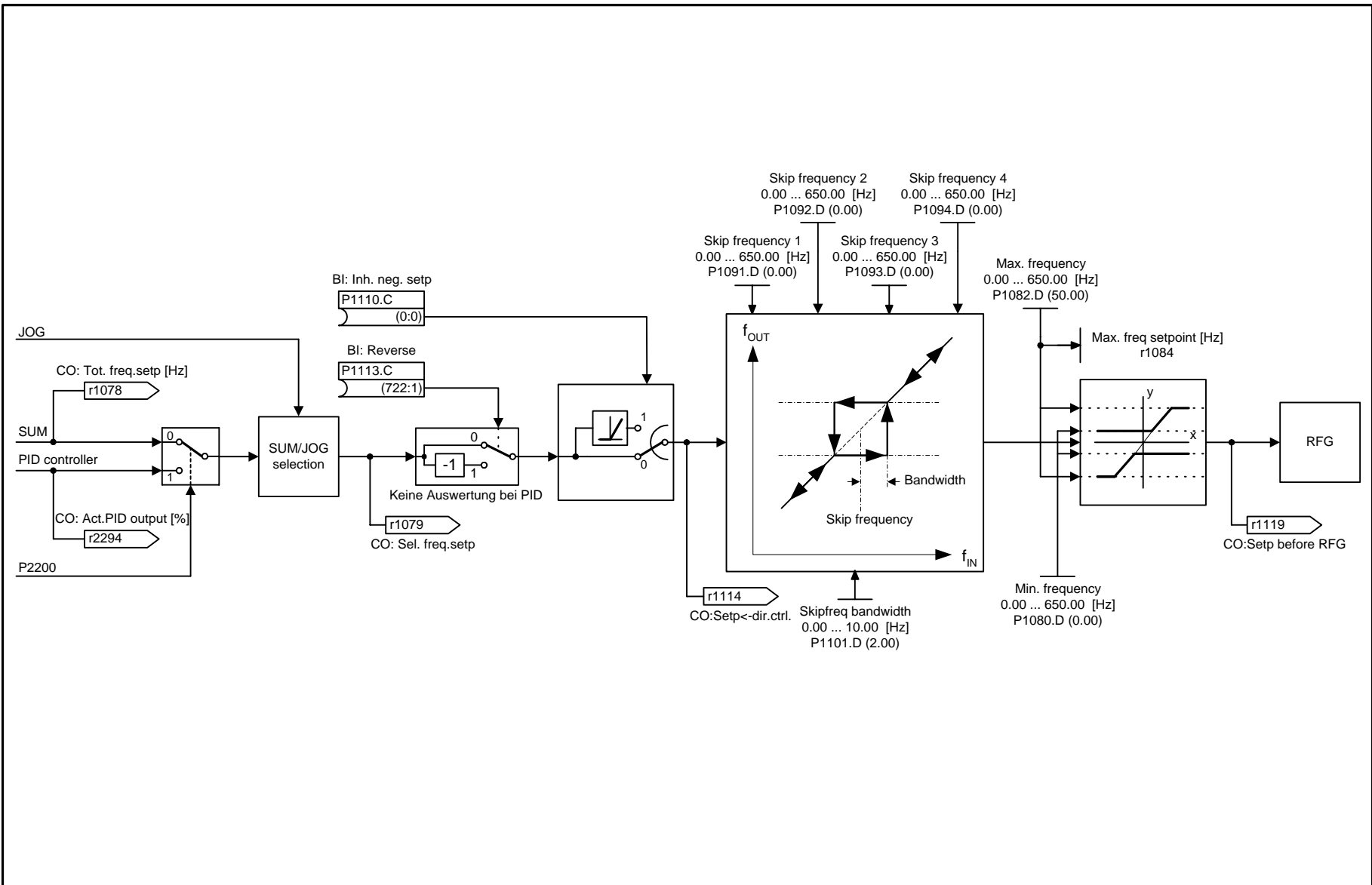
1	2	3	4	5	6	7	8
Internal Setpoint Source					3400_PIDMOP.vsd	Function diagram	
PID Motor Potentiometer (PID-MOP)					06.07.2001 V1.1	MICROMASTER 440	



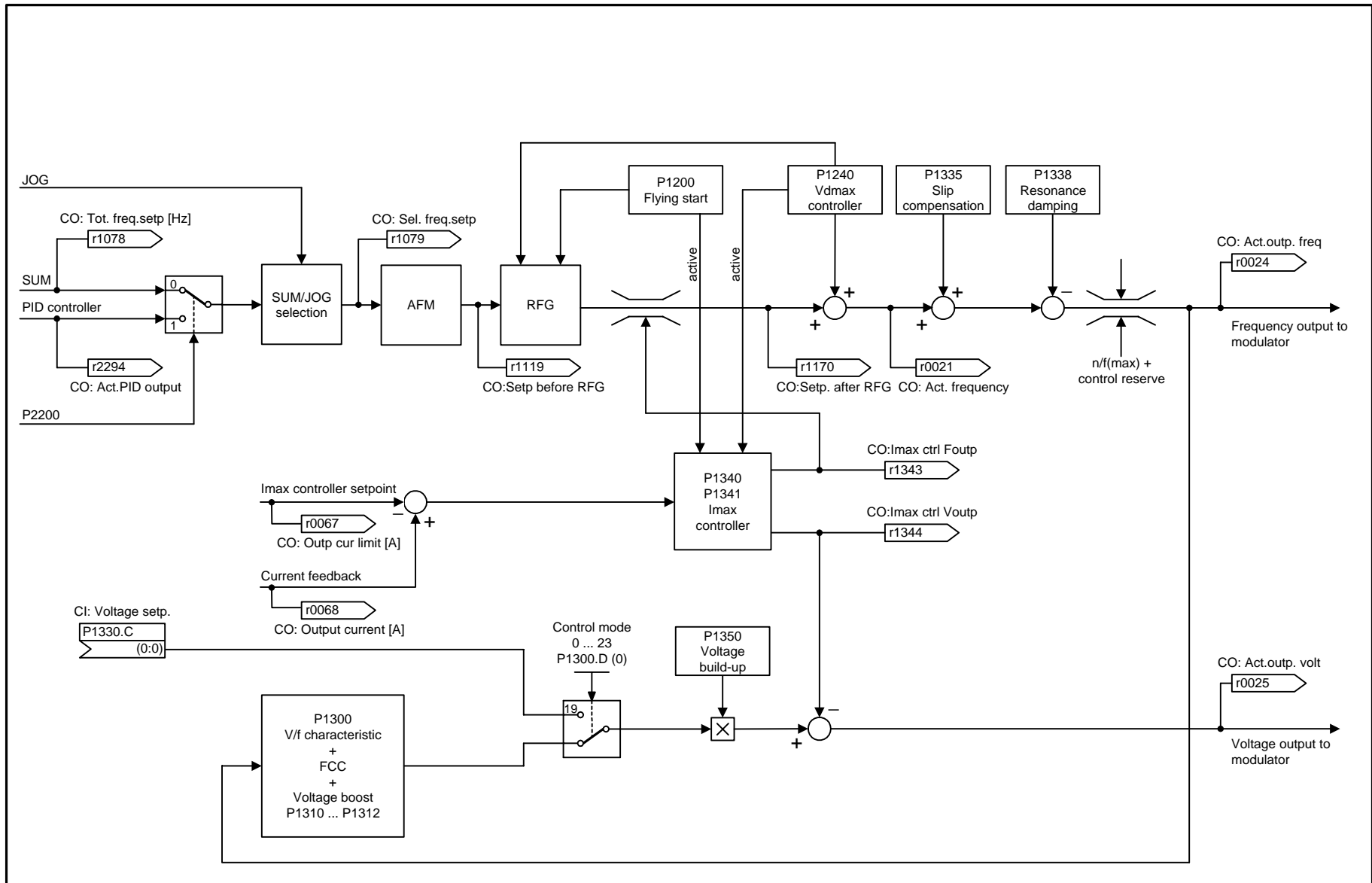
1	2	3	4	5	6	7	8
Technology Functions					4400_PID.vsd	Function diagram	
PID controller					27.07.2001 V1.1	MICROMASTER 440	
- 4400 -							



1	2	3	4	5	6	7	8
Setpoint channel					5100_SUM_JOG.vsd	Function diagram	
SUM/JOG					24.07.2001 V1.1	MICROMASTER 420	
- 5100 -							



1	2	3	4	5	6	7	8
Setpoint channel					5200_AFM.vsd	Function diagram	
Additional Frequency Modifications (AFM)					26.07.2001 V1.1	MICROMASTER 440	
							- 5200 -



1	2	3	4	5	6	7	8
Control					6100_V_f.vsd	Function diagram	
Overview of V/f Control					24.07.2001 V1.1	MICROMASTER 440	
- 6100 -							

Setpoint channel

Sheet 5000

Speed control

Sheet 7500

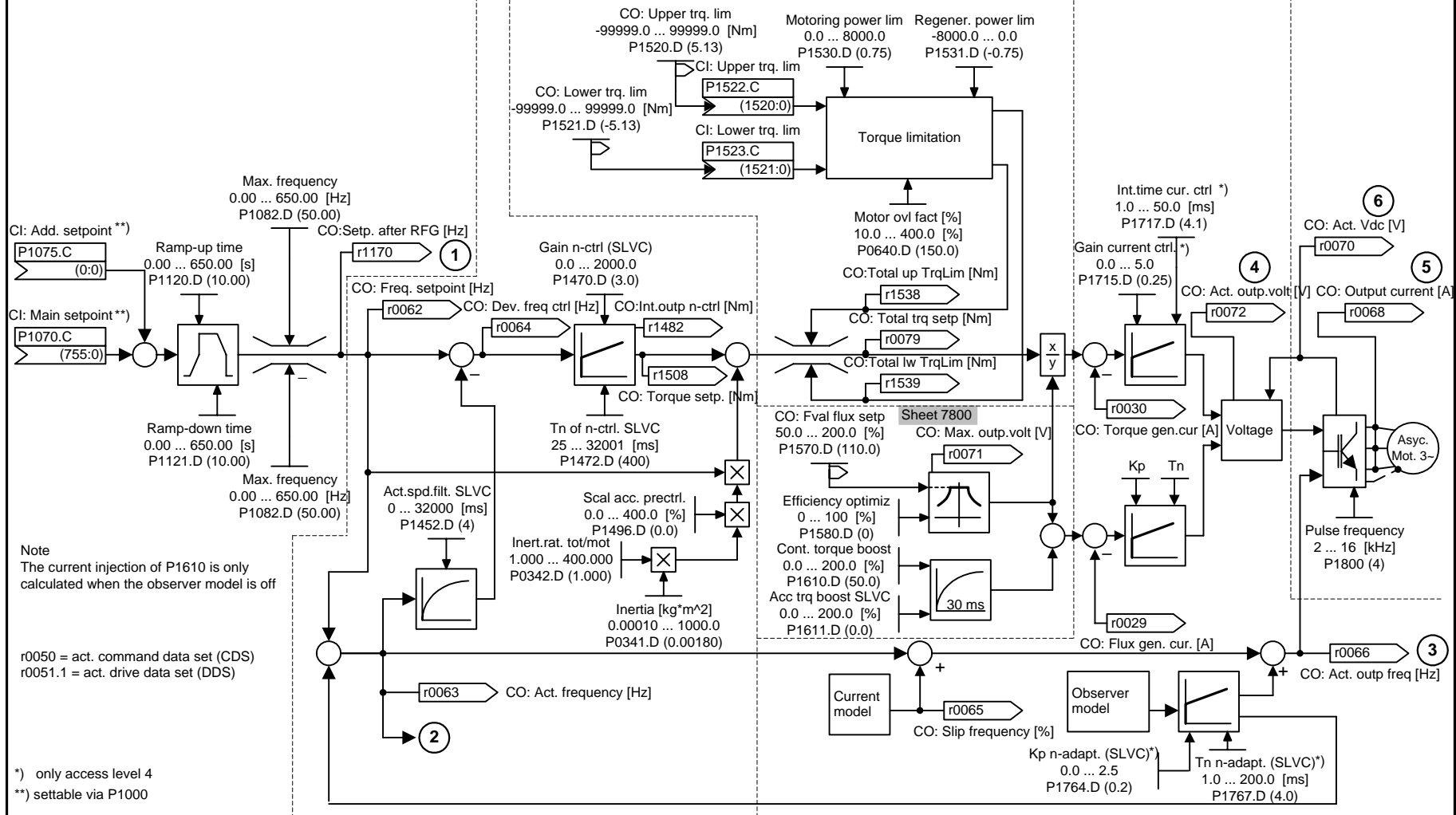
Torque/current limit
Flux setpoint

Sheet 7700

Current control,
Observer model

Sheet 7900

Modulator



Note
The current injection of P1610 is only calculated when the observer model is off

r0050 = act. command data set (CDS)
r0051.1 = act. drive data set (DDS)

*) only access level 4
**) settable via P1000

1	2	3	4	5	6	7	8
Control					7000.vsd	Function diagram	
Speed control without encoder (SLVC) P1300 = 0, Master drive P1501 = 0					29.05.2001 V1.1	MICROMASTER 440	
- 7000 -							

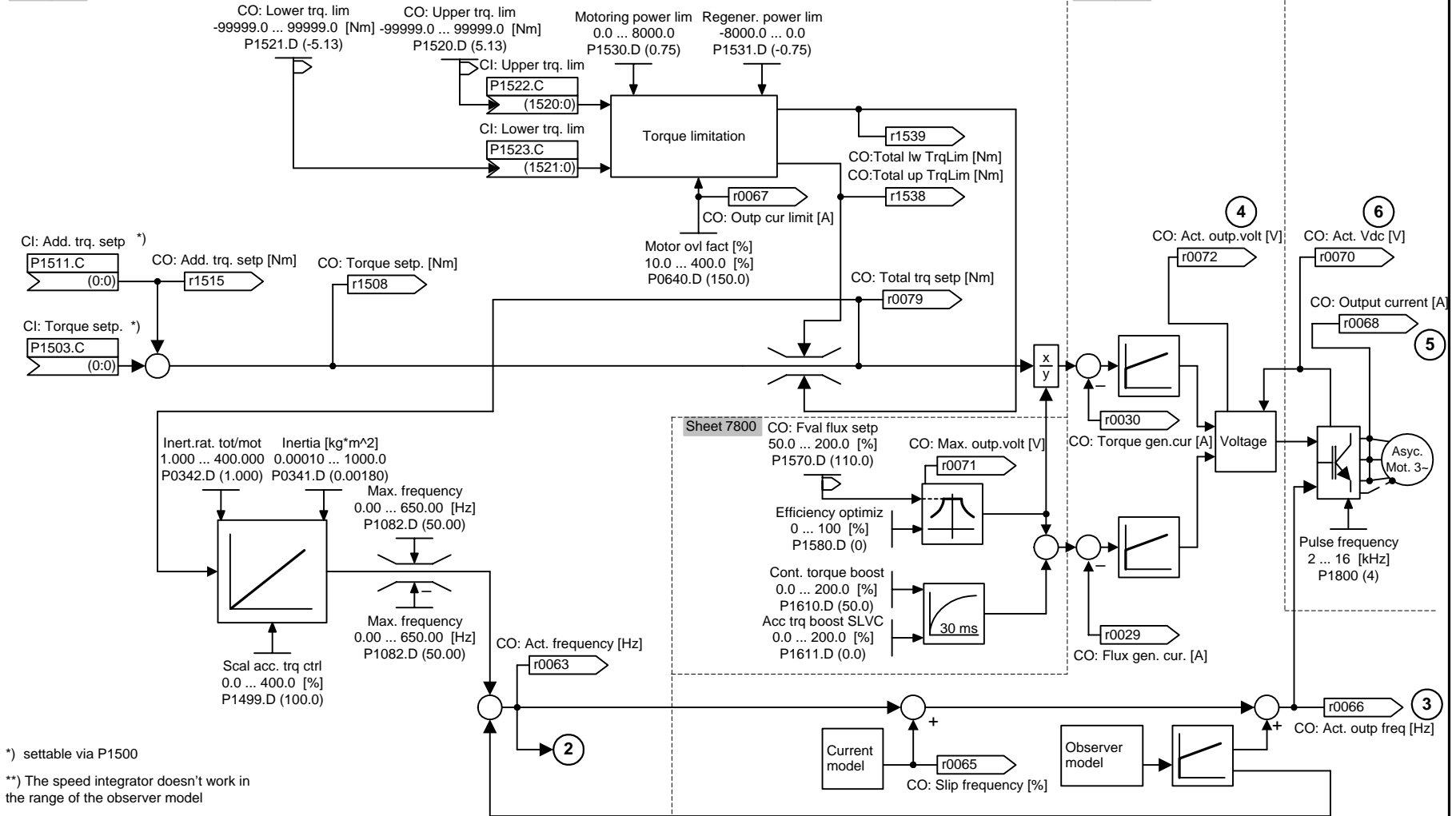
Torque/current limit

Sheet 7700

Observer model

Sheet 7900

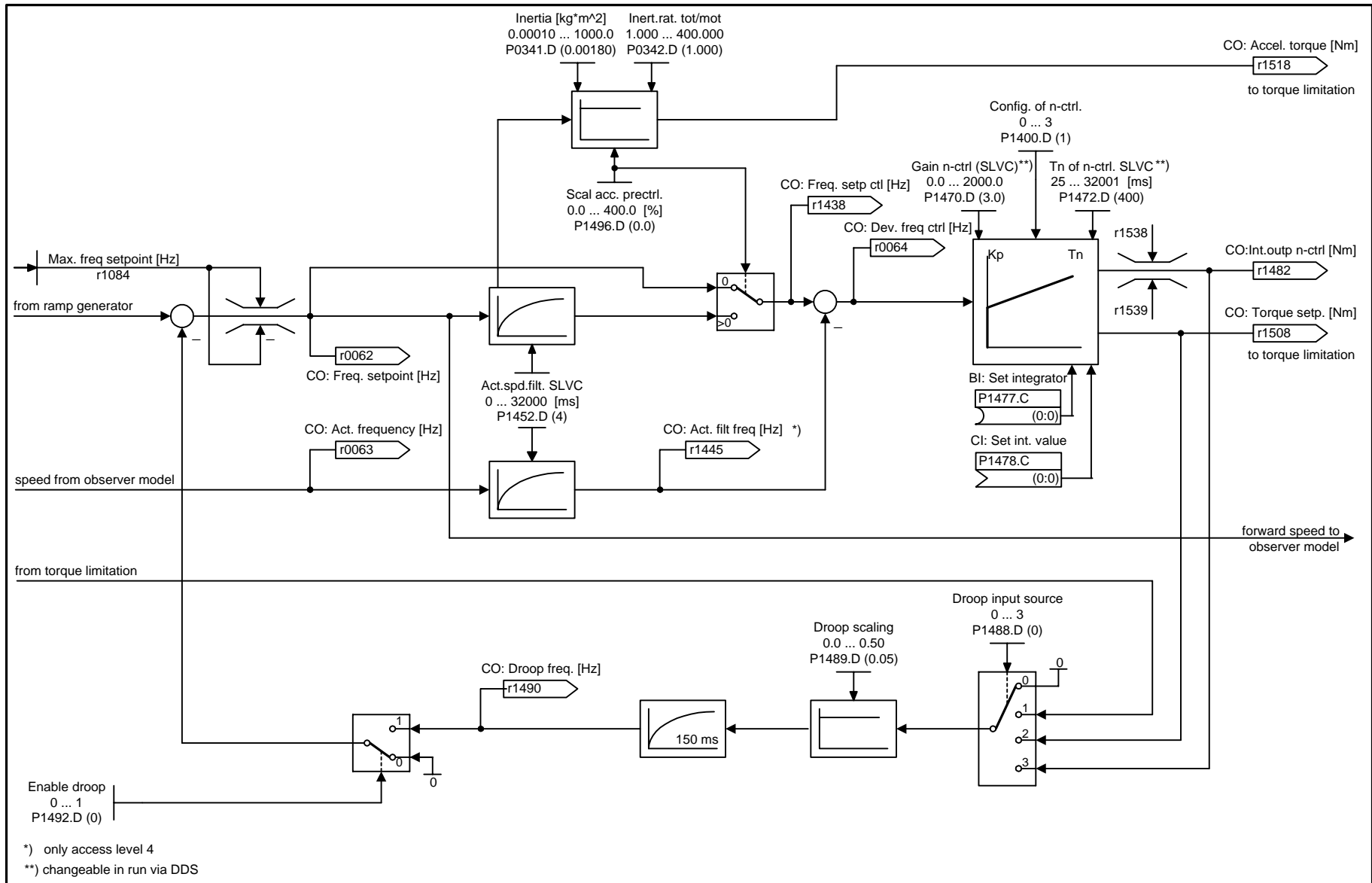
Modulator



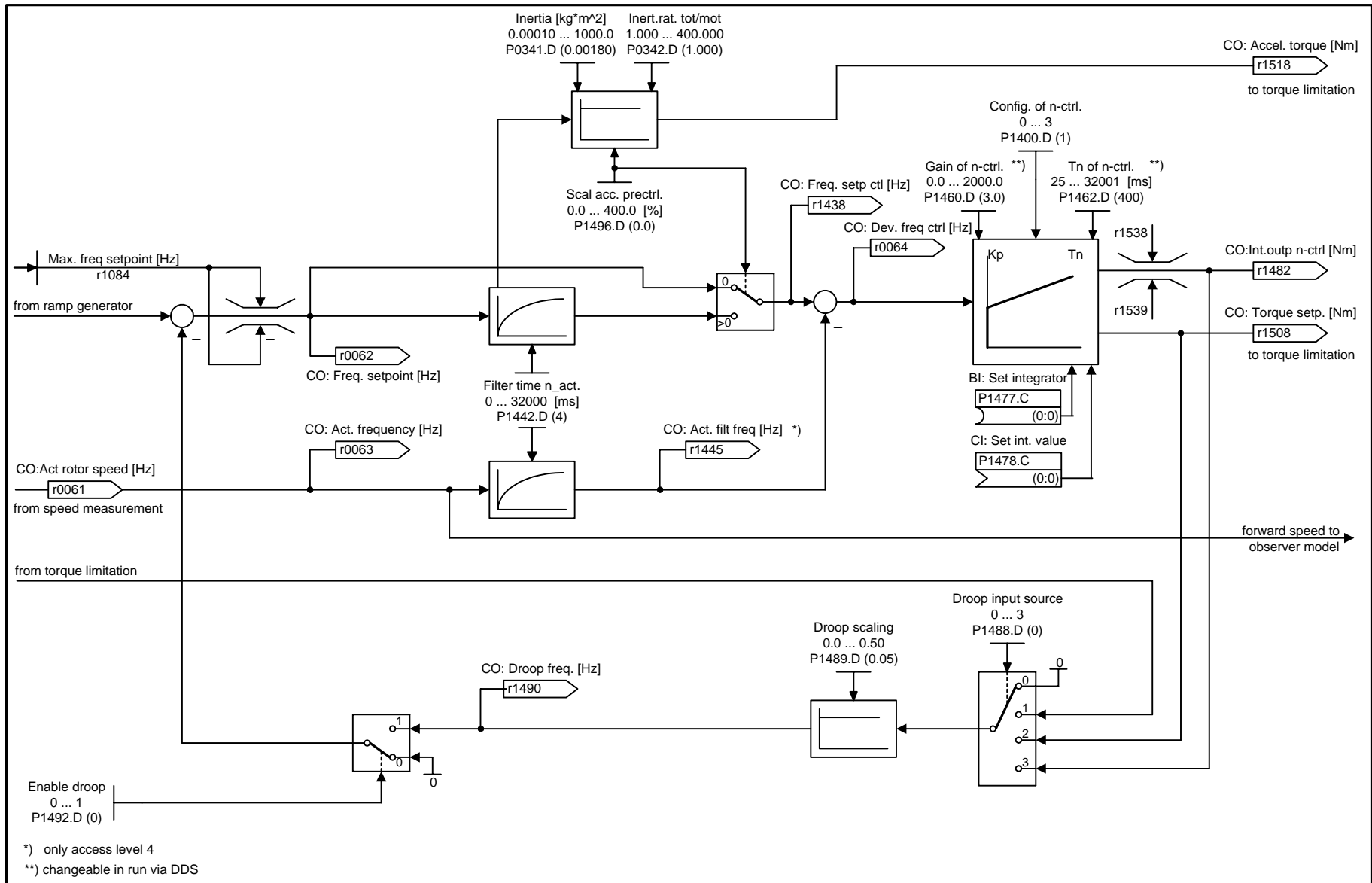
*) settable via P1500

**) The speed integrator doesn't work in the range of the observer model

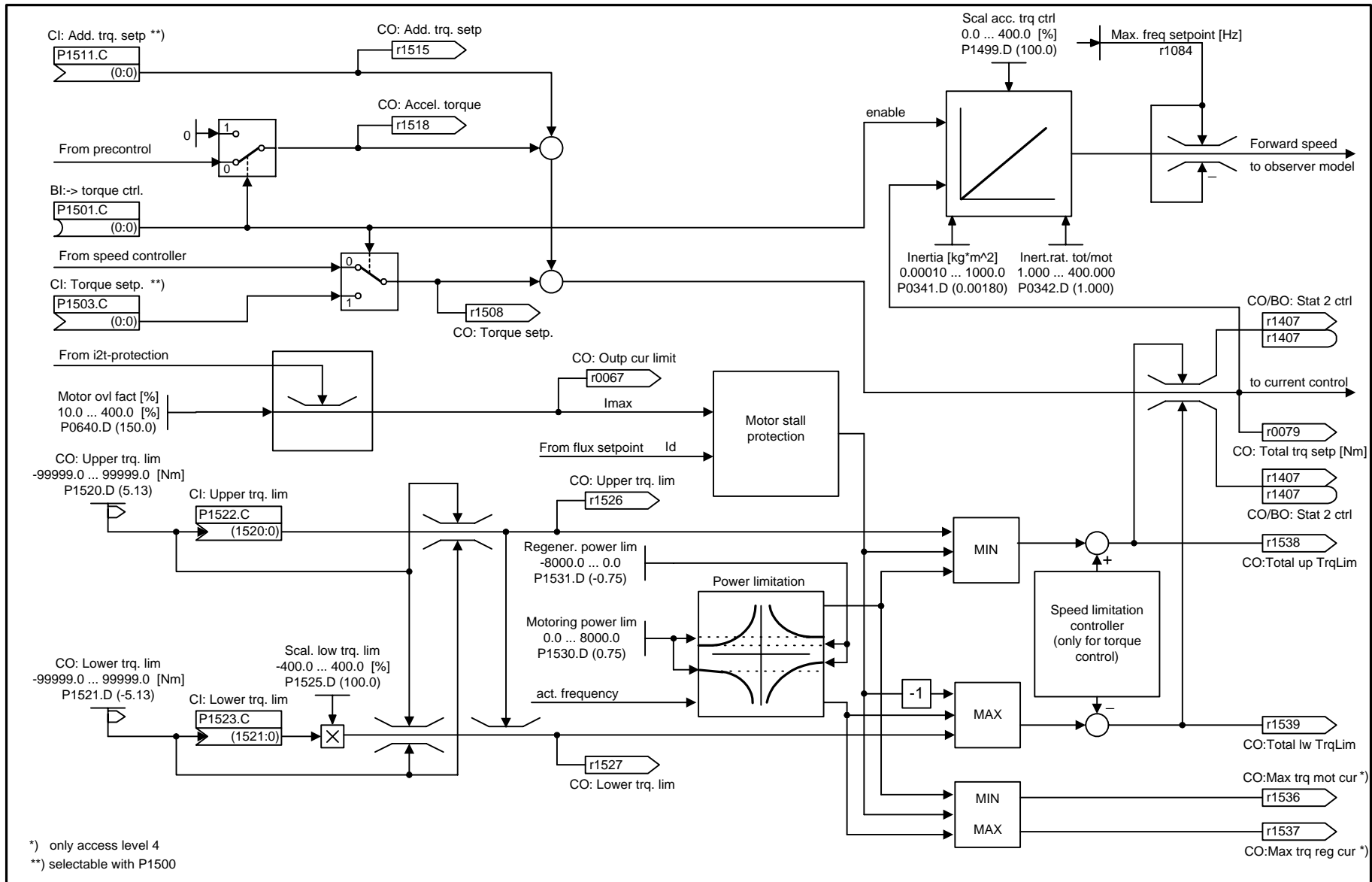
1	2	3	4	5	6	7	8
Control					7200.vsd	Function diagram	
Torque control without encoder P1300 = 20, 22, Slave P1501 = 1					31.05.2001 V1.1	MICROMASTER 440	
- 7200 -							



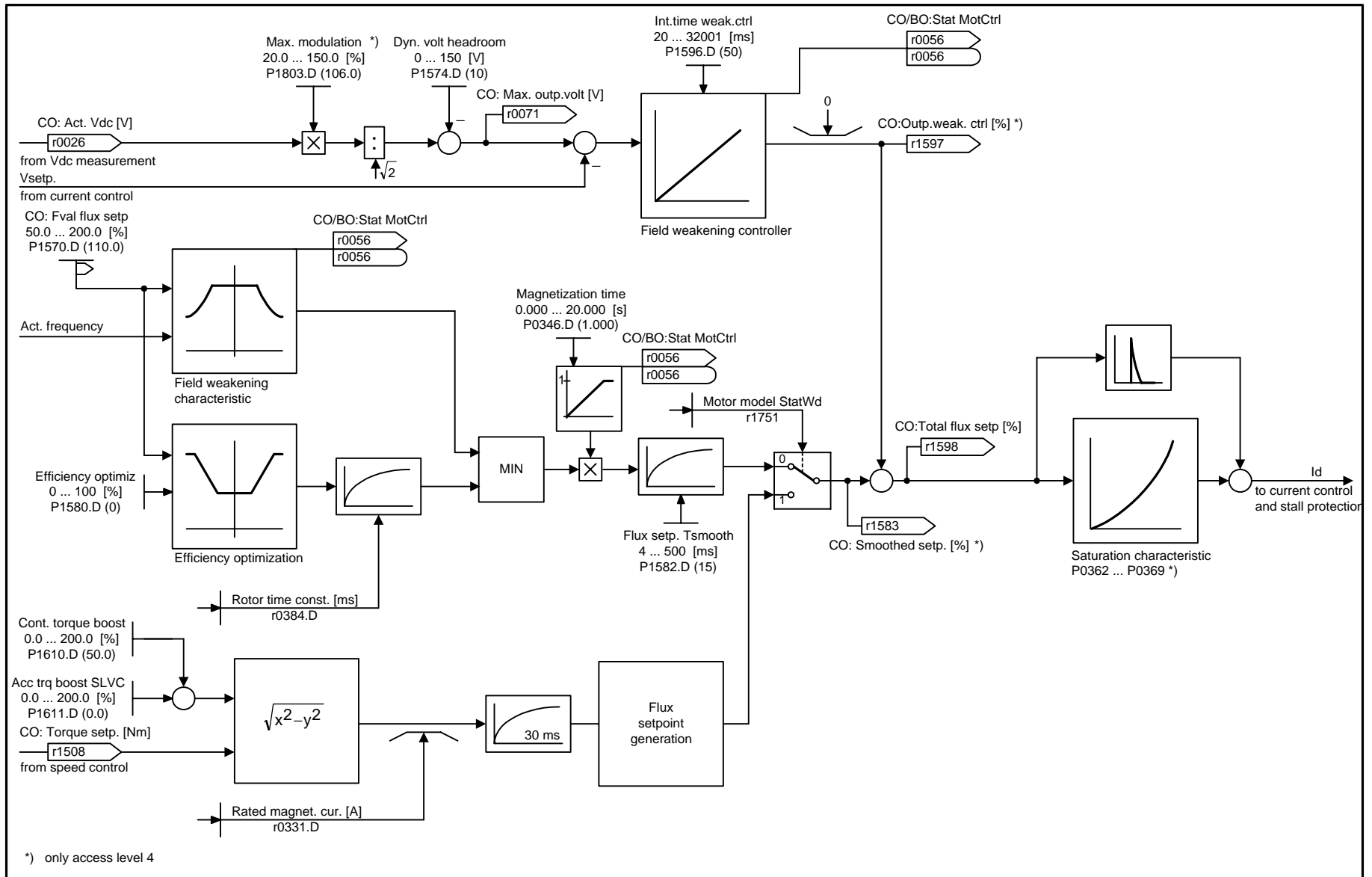
1	2	3	4	5	6	7	8
Control					7500_SLVC.vsd	Function diagram	
Sensorless Vector Control (SLVC), Speed Controller					12.06.2001 V1.1	MICROMASTER 440	
- 7500 -							



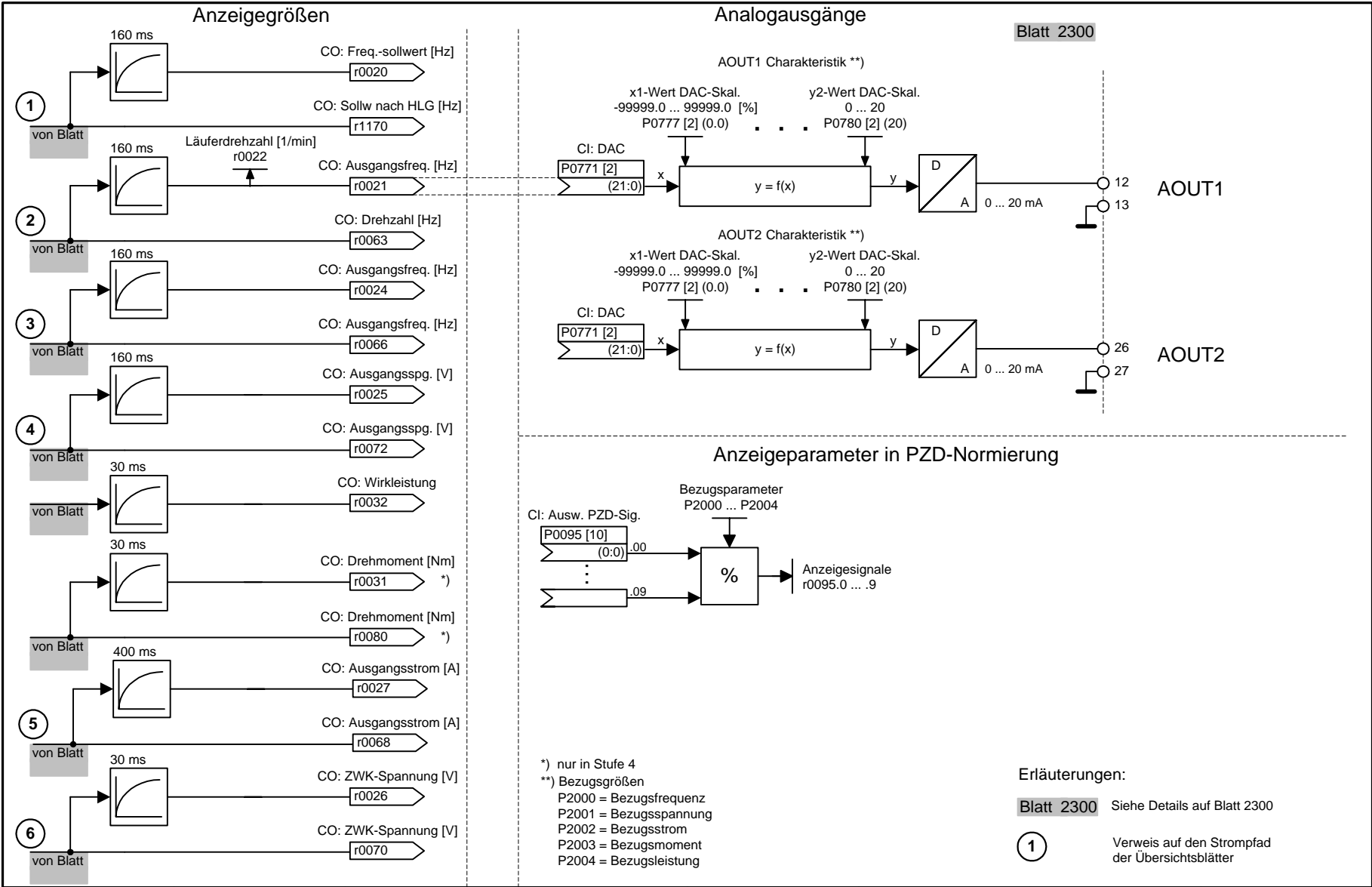
1	2	3	4	5	6	7	8
Control					7600_VC.vsd	Function diagram	
Vector Control, Speed Controller					12.06.2001 V1.1	MICROMASTER 440	
- 7600 -							



1	2	3	4	5	6	7	8
Control					7700_TC.vsd	Function diagram	
Torque Limitation, Torque Control					11.06.2001 V1.1	MICROMASTER 440	
- 7700 -							



1	2	3	4	5	6	7	8
Control					7800_VC.vsd	Function diagram	
Vector Control, Flux Setpoint					12.06.2001 V1.1	MICROMASTER 440	
- 7800 -							



1	2	3	4	5	6	7	8
Regelung					8000.vsd	Funktionsplan	
Analogausgänge und Anzeigegrößen					31.05.2001 V1.1	MICROMASTER 440	
- 8000 -							