

Task timing

High Priority

PWM	Switching frequency	Analog Acquisition (currents)	Encoder Calculation	Control Execution	Error Monitoring

Low Priority

Scheduler	10 ms	Service Watchdog			
	20 ms	System Manager	Read Digital Inputs	Analog Acquisition (Low Prio)	Reference Handler
	200 ms	GUI	Handle System Clock		
	1 s	Restart Pushbuttons	Calculate Temperature		

Color Code

Motor Control

User Interface

System

Safety