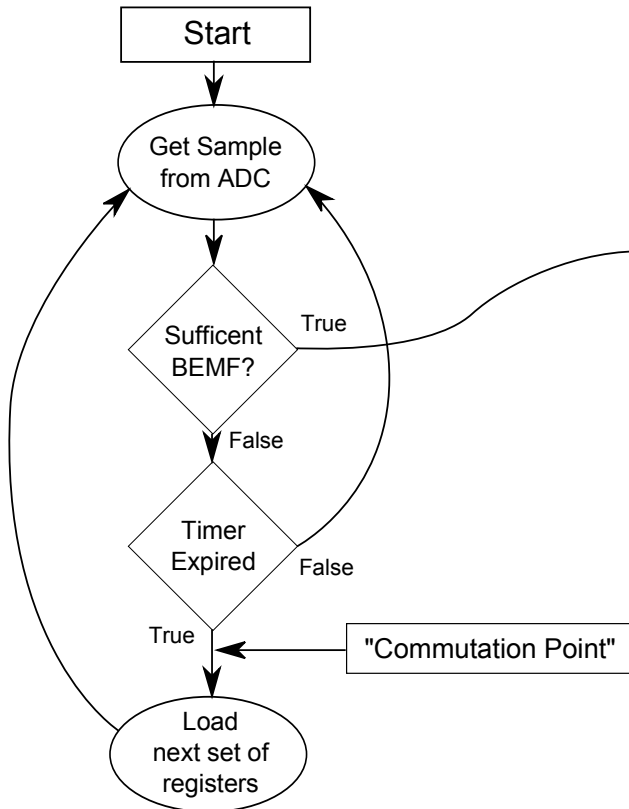
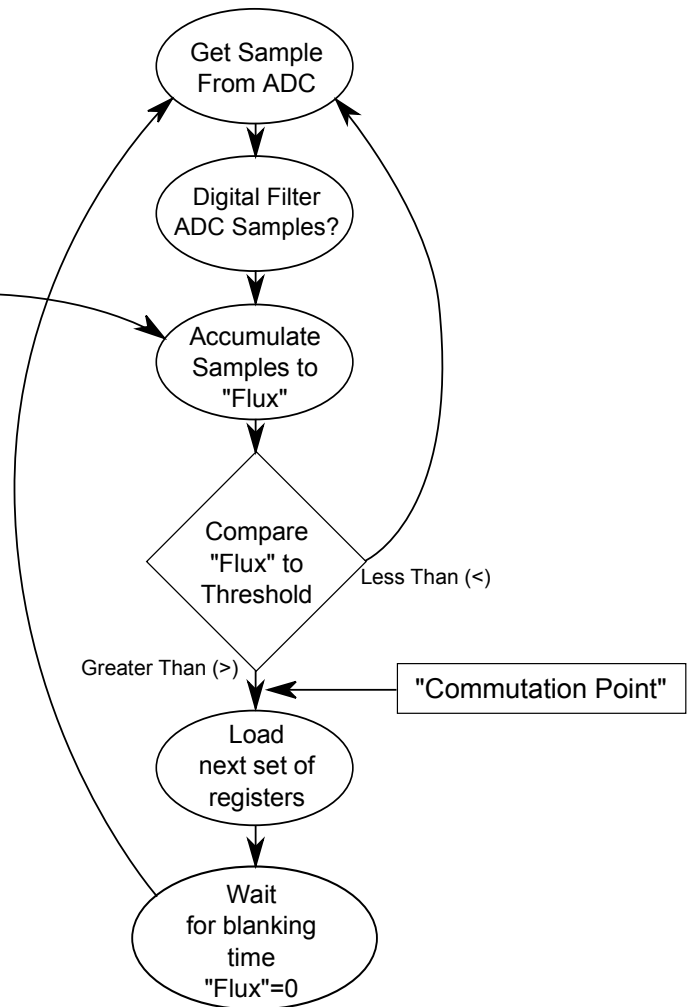


Startup Commutation Flow Chart

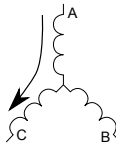
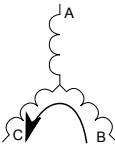
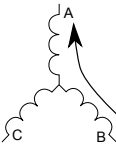



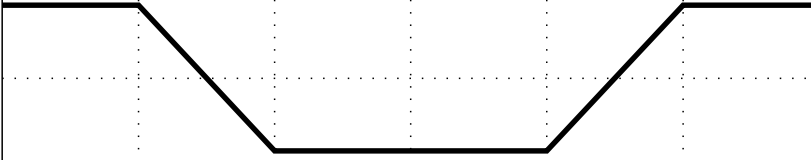
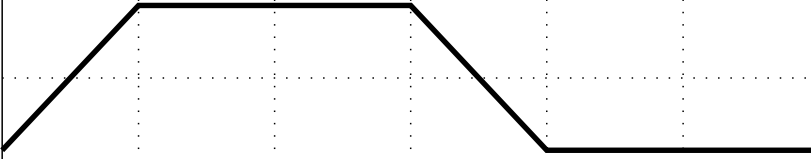
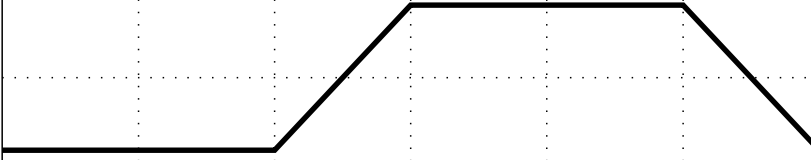


Commutation Flow Chart



Metrics to Track:

Accumulate Back EMF Voltage to "Flux" variable
 "Flux" Variable clears at each commutation point
 Time between commutation points (used to calculate speed)

		S1	S2	S3	S4	S5	S6
Winding Current							
Phase A	Waveform						
	High Side	X					X
	ADC		X			X	
	Low Side			X	X		
Phase B	Waveform						
	High Side		X	X			
	ADC	X			X		
	Low Side					X	X
Phase C	Waveform						
	High Side				X	X	
	ADC			X			X
	Low Side	X	X				
Hall Effect	A			X	X	X	
	B	X				X	X
	C	X	X	X			