

	State & Events			Buttons				Explanation of actions
State	A Button	B Button	Display	Up	Down	Right	Left	
Power Up			Logo					Display for X seconds, then transition to Idle state.
Idle	Preflight 1	Menu	Press A To Start Preflight					
Preflight 1	Transmit VOR. Goto Preflight 1a	Fn=SKIP. Goto Preflight 2	VOR Test - Tune Navigation Receiver to 108.1			Same as A	Same as B	
Preflight 1a	Fn=Pass, Goto Preflight 2	Fn=Fail, Goto Preflight 1b	Needle should be centered. Select test result to continue.			Deviate Right 1/2 Dot per press	Deviate Left 1/2 Dot per press	
Preflight 1b	Fn=EXIT	Fn=NEXT, Goto Preflight 2	Use Left/Right Buttons to Show Deviation					
Preflight 2	Transmit LOC. Goto Preflight 2a.	Preflight 3	LOC test			Same as A	Same as B	
Preflight 2a	Fn=Pass, Goto Preflight 3.	Fail	Needle should be centered - Use Left/Right Buttons to Show Deviation			Deviate Right 1/2 Dot per press	Deviate Left 1/2 Dot per press	
Preflight 3	Transmit GS. Goto Preflight 3a.	Fn=Skip. Goto Preflight 4.	GS Test			Same as A	Same as B	
Preflight 3a	Fn=Pass, Goto Preflight 4.	Fail	Needle should be centered - Use Up/Down Buttons to Show Deviation	Deviate Up 1/2 Dot per Press	Deviate Down 1/2 Dot per Press	Same as A	Same as B	

		State & Events		Buttons				Explanation of actions	
State	A Button	B Button	Display	Up	Down	Right	Left		
Preflight 4	Transmit ILS. Goto Preflight 4a.	Fn=Skip. Goto Preflight 5.	ILS (if 2nd card installed)			Same as A	Same as B		
Preflight 4a	Fn=Pass, Goto Preflight 5.	Fail	Needles should be centered - Use Arrows to Deviate Indicators	Deviat Up 1/2 Dot per Press	Deviat Down 1/2 Dot per Press	Deviat Right 1/2 Dot per press	Deviat Left 1/2 Dot per press		
Preflight 5	Transmit MBT-OMR. Goto Preflight 5a.	Fn=Skip, Goto Preflight 5b.	Marker Beacon Test - Turn on Outer Marker Receiver			Same as A	Same as B		
Preflight 5a	Fn=Pass, Goto Preflight 5b.	Fail	Outer Marker Beacon should be received now!			Same as A	Same as B		
Preflight 5b	Transmit MBT-MMR. Goto Preflight 5c.	Fn=Skip, Goto Preflight 5d.	Marker Beacon Test - Turn on Middle Marker Receiver			Same as A	Same as B		
Preflight 5c	Fn=Pass, Goto Preflight 5d.	Fail	Middle Marker Beacon should be received now!			Same as A	Same as B		
Preflight 5d	Transmit MBT-IMR. Goto Preflight 5e.	Fn=Skip, Goto Preflight 6.	Marker Beacon Test - Turn on Inner Marker Receiver			Same as A	Same as B		

		State & Events		Buttons				Explanation of actions	
State	A Button	B Button	Display	Up	Down	Right	Left		
Preflight 5e	Fn=Pass, Goto Preflight 6.	Fail	Inner Marker Beacon should be received now!			Same as A	Same as B		
Preflight 6	Fn=Proceed Goto Preflight 6a.	Fn=Skip, Goto Preflight 7.	COM 1 Test			Same as A	Same as B		
Preflight 6a	Fn=Pass, Goto Preflight 7.	Fail	Transmit on 118.0.			Same as A	Same as B		
Preflight 7	Fn=Proceed Goto Preflight 7a.	Fn=Skip, Goto External 1.	COM 2 Test			Same as A	Same as B		
Preflight 7a	Fn=Pass, Goto External 1.	Fail	Transmit on 118.0.			Same as A	Same as B		
External 1	Next	Skip	External Inspection	Same as A	Same as B	Same as A	Same as B		
External 2	Next	Skip	User input here...	Same as A	Same as B	Same as A	Same as B		
External 3	Next	Skip		Same as A	Same as B	Same as A	Same as B		
External 4	Next	Skip	Need to add up to ?? External inspection lines.	Same as A	Same as B	Same as A	Same as B		
External 5	Next	Skip		Same as A	Same as B	Same as A	Same as B		
...	Next	Skip		Same as A	Same as B	Same as A	Same as B		
External n-1	Finished	Skip		Same as A	Same as B	Same as A	Same as B		

	State & Events			Buttons				Explanation of actions
State	A Button	B Button	Display	Up	Down	Right	Left	
Failed 1			Failed <n> test. Have code to send back to retest or point to the manual for additional information.					
Menu 1			Detailed debug menu TBD.					
			Part of Release 2.0					