|  |  |  |  |
| --- | --- | --- | --- |
| Event # | Timing Logic=> Time[secs] | Events | Remarks |
| E1 MS PHASE  = 1 | control = 1  obcStatus = 0  T0 =>  [ (Sensing Avg. |Axb| > 14:892 (1.2g)m/s2 over 4 consecutive samples @ 10 ms) OR (MODECODE =1 & NAV2Cmd = 1 )] | Sensing Avg. Axb > 14:892m/s2 over 4 consecutive samples @ 10 ms |  |
| E2 MS PHASE  = 2 | Tₛₑₚ ᵣ =>  [(T ≥ (T0 + 0.900 s)) AND  (3 consecutive samples @ 10ms of any 2 of the following 4 conditions are true:  DIP 00 = 1 & DIP 01 = 0 (OOC1)  DIP 02 = 1 & DIP 03 = 0 (OOC2)  DIP 04 = 1 & DIP 05 = 0 (OOC3)  DIP 06 = 1 & DIP 07 = 0 (OOC4)) AND ((h - h₀) ≥ 20 m)]  OR  [MODECODE = 1 AND T >(Tₛₑₚ ᵣ + 2.000 s) AND (F>60 m OR P<60 Pa)] | Out-Off-Canister is sensed by 4 OOC sensors and declared using 2/4 logic by OBC. h0 is the Lift off height. |  |
| E3 MS PHASE  = 3 | ctkl = 1  T2 => [T >= (T1 + 0.600 s)] |  | CSC(RT#3) DOP # A9, A10 (N)(ON) CSC DOP # B12, B13 (R)[ON] |
| E4 MS PHASE  = 4 | T3 =>  [T >= (T2 + 0.010 s)] |  | CSC(RT#3) DOP # A9, A10 (N)(ON) CSC DOP # B12, B13 (R)[ON] |
| E5 MS PHASE  = 5 | T4 =>  [T>= (T3 + 0.180 s)] |  | CSC(RT#3) DOP # A9, A10 (N)(ON) CSC DOP # B12, B13 (R)[OFF] |
| E6 MS PHASE  = 6 | T6=> T>T\_start |  | Control = 1 |