

## Benjis Hardwired Logic...

...is a set of five tools to predefine staging actions in your rocket.

Launch Clamps release after a set delay (when the main engine is spooled up).

Fairings can automatically be jettisoned at a given altitude.

RCS and Decoupler can be activated at a set time after launch or prior to reaching Apogee.

- Engines can ignite at a set time after launch or prior to reaching Apogee. An engine can also be cut when a set Apogee is reached. An Apogee Kick Motor can either Burn-Out, Circularize or Cut-Off at a set Apogee.

On-Screen appearing messages for all events can be turned on / off (in VAB and Flight).

A picture says more than a thousand words.

Just check out these awesome flowcharts and the example on the last page.

### Launch Clamp

**Delay [sec]**  
0 ... 59.9

### Fairing Separator

**Altitude [km]**  
0 ... 200

**Jettison**  
Payload  
Interstage

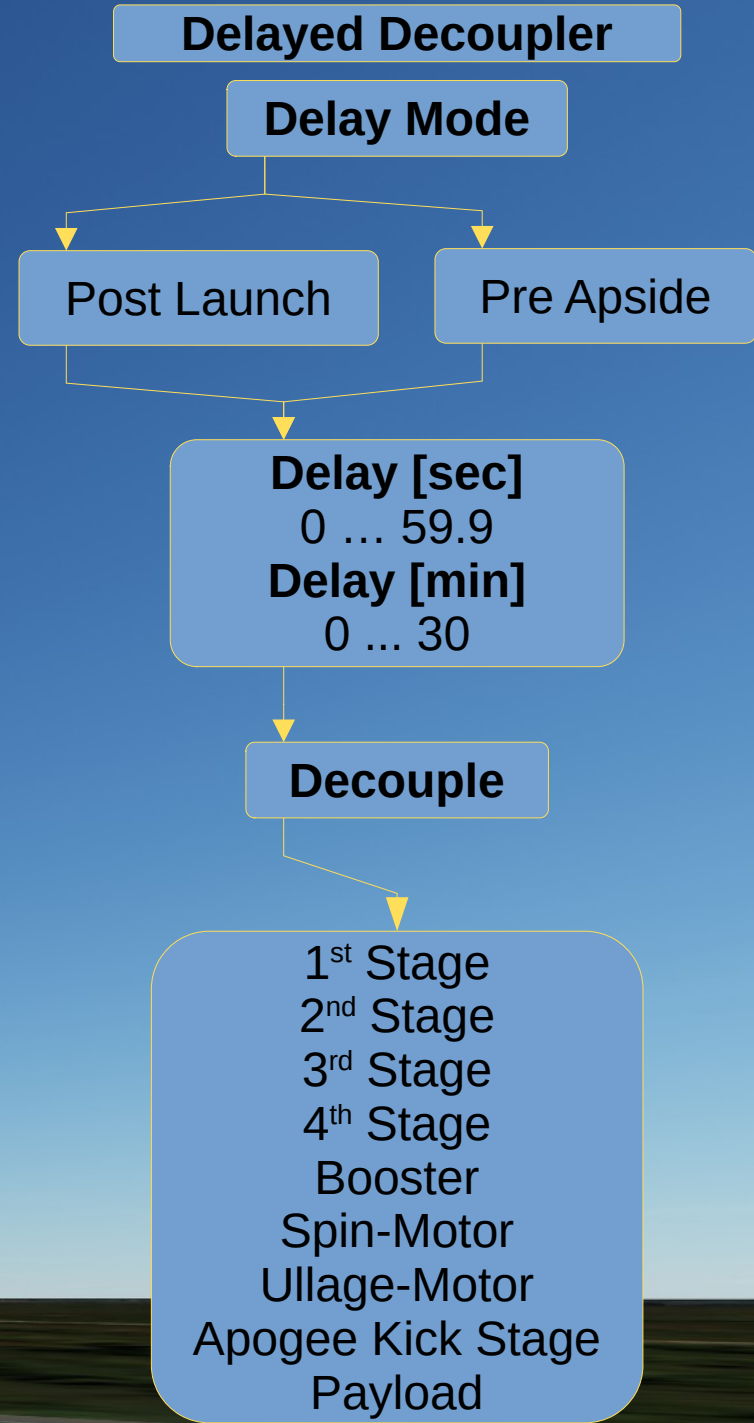
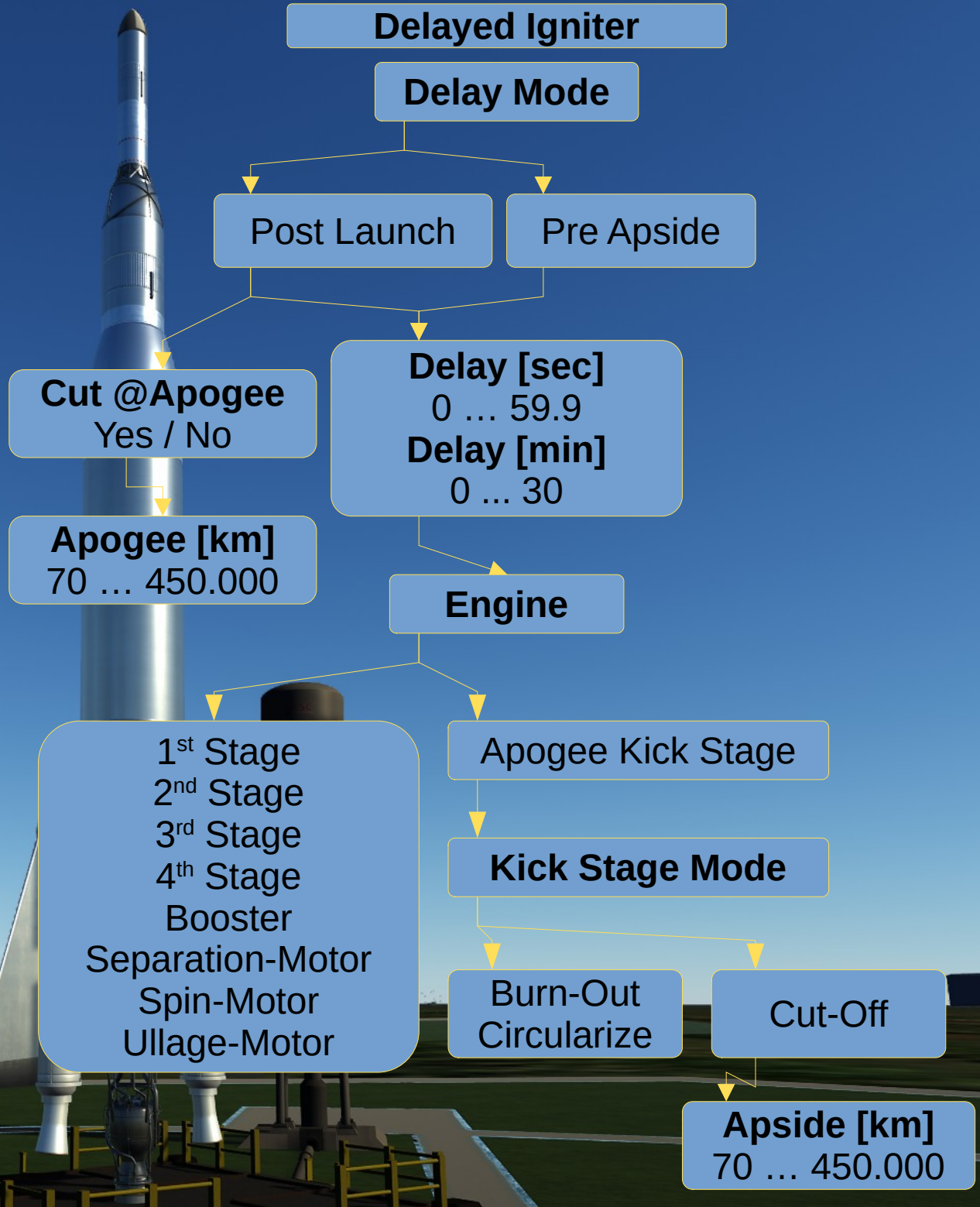
### Delayed RCS

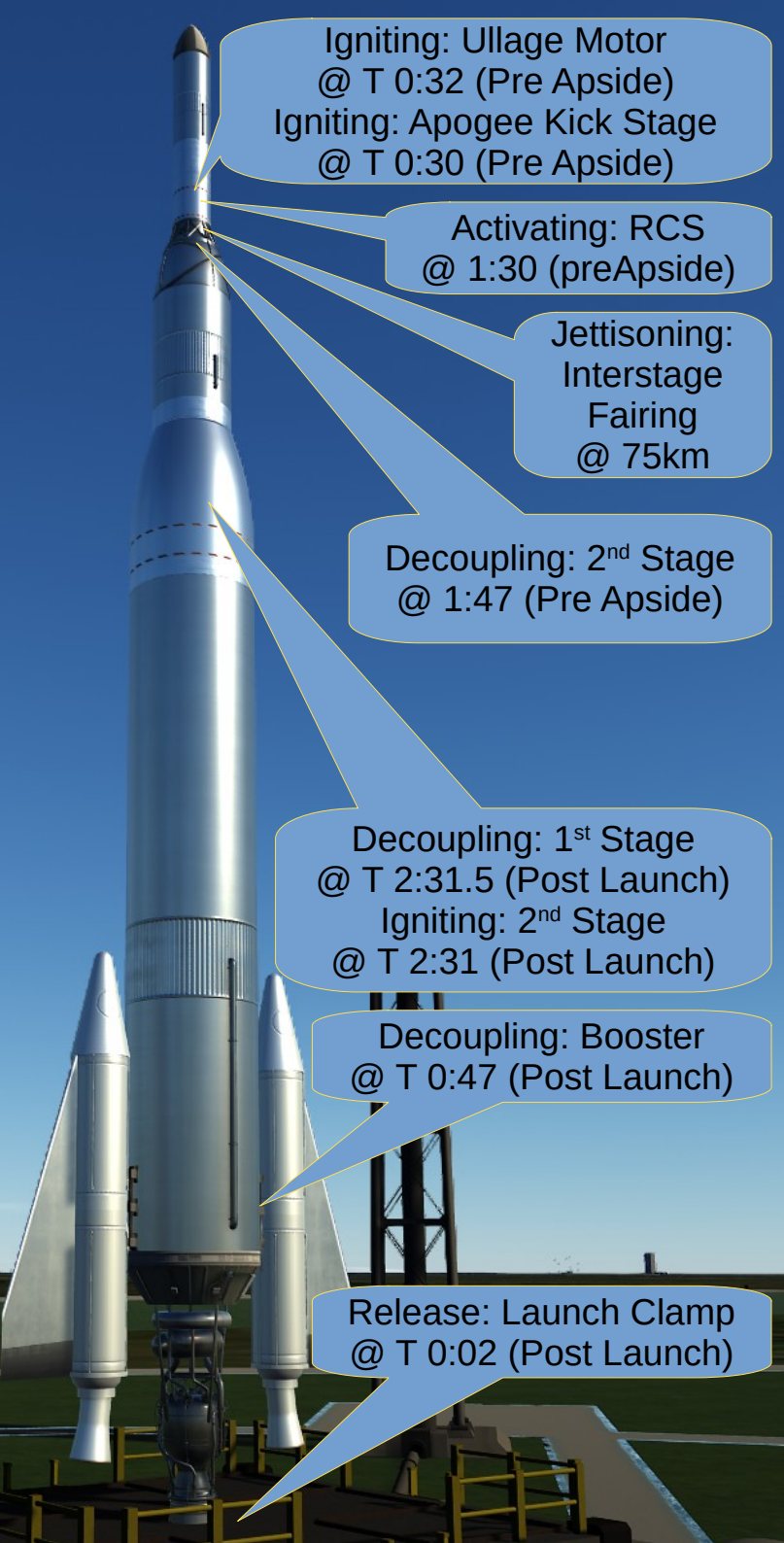
**Delay Mode**

Post Launch

Pre Apogee

**Delay [sec]**  
0 ... 59.9  
**Delay [min]**  
0 ... 30





#### 4) (2<sup>nd</sup> Stage Burn)



#### 3) Decoupling: 1<sup>st</sup> Stage Igniting: 2<sup>nd</sup> Stage



#### 2) (1<sup>st</sup> Stage Burn) Jettisoning: Interstage Fairing



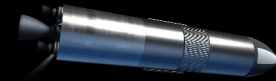
#### 1) Decoupling: Booster



#### 5) Decoupling: 2<sup>nd</sup> Stage (Coasting)



#### 6) Activating: RCS



#### 7) Igniting: Ullage-Motor



#### 8) Igniting: Apogee Kick Stage

