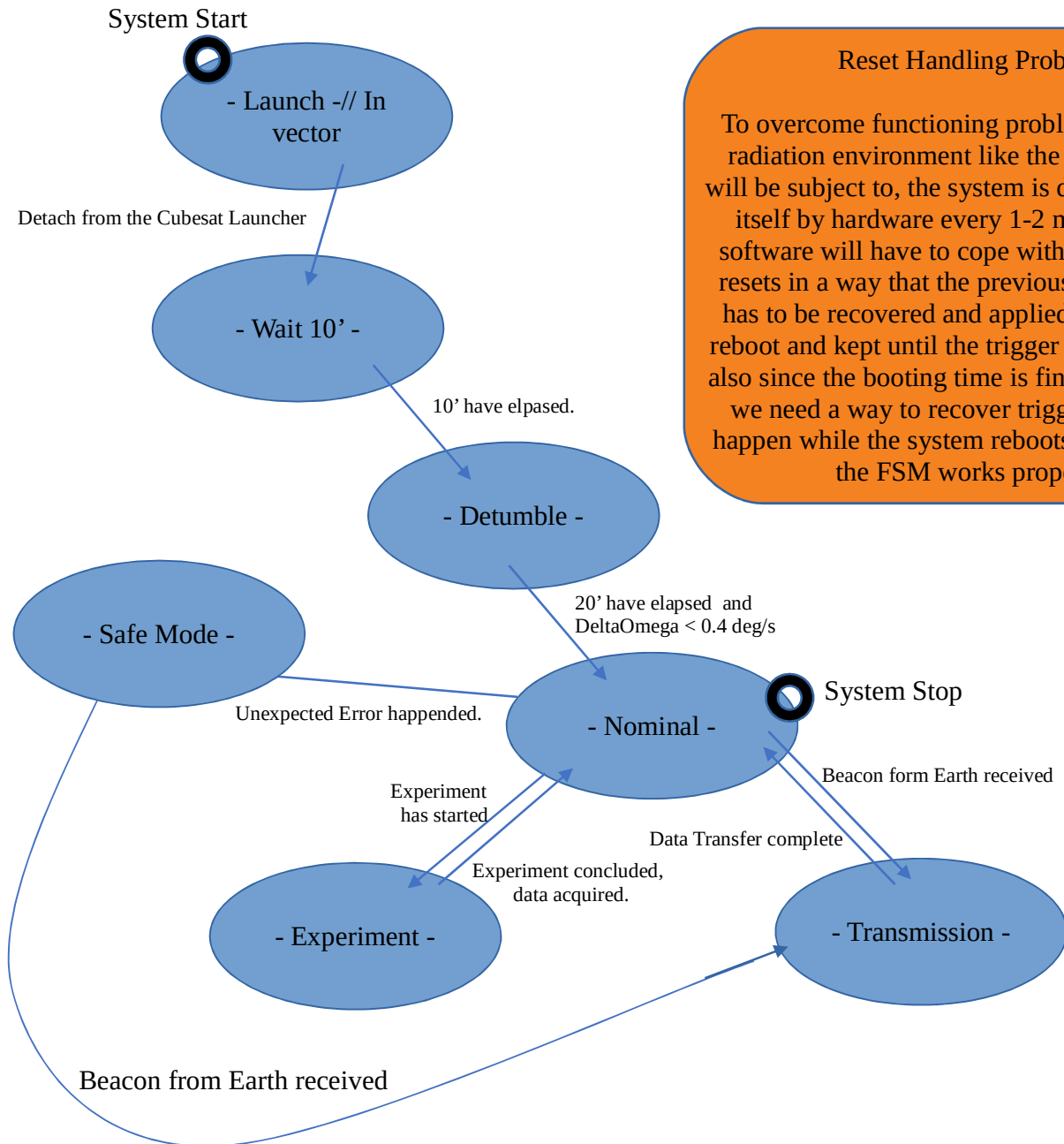


FEES – Finite State Machine



Reset Handling Problem

To overcome functioning problems in an high radiation environment like the one the FEES will be subject to, the system is designed to reset itself by hardware every 1-2 minutes, so the software will have to cope with these frequent resets in a way that the previous working state has to be recovered and applied to the current reboot and kept until the trigger event happens, also since the booting time is finite but not zero, we need a way to recover trigger events that happen while the system reboots to be sure that the FSM works properly.