START

- DEL START
  - INIT?
    - Y: retract release pin
    - N: INIT?
  - SLEEP 30
    - MAG?
      - Y: extend release pin
      - N: extend release pin

- MAIN_MIS
  - INIT?
    - N: retract release pin
    - Y: extend release pin
  - MAG?
    - Y: STATUS
    - N: PTT on
      - PASS?
        - Y: INFLATE
          - MAG?
            - Y: Flasher On
            - N: Flasher Off
          - 5 x: Flash OFF
            - stop 2: fill sample tubes
          - bladder inflated
        - N: DEFlate
          - Argos tx
            - N: launch NBST
              - USER ACTION
            - Y: NBST RESPONSE
              - CONTINUE MAIN MISSION

- PTT off
  - PASS?
    - Y: INFLATE
      - MAG?
        - Y: Flasher On
        - N: Flasher Off
      - 5 x: Flash OFF
        - stop 2: fill sample tubes
      - bladder inflated
    - N: DEFlate
      - Argos tx
        - N: launch NBST
          - USER ACTION
        - Y: NBST RESPONSE
          - CONTINUE MAIN MISSION