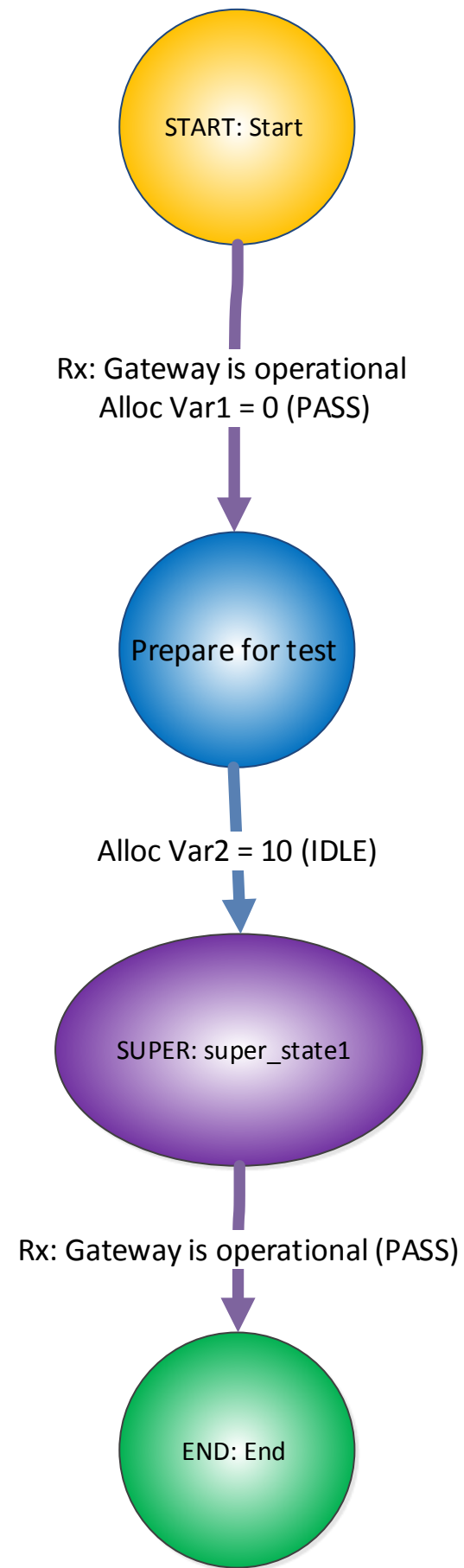


CiA 447 GW Test HB loss detection

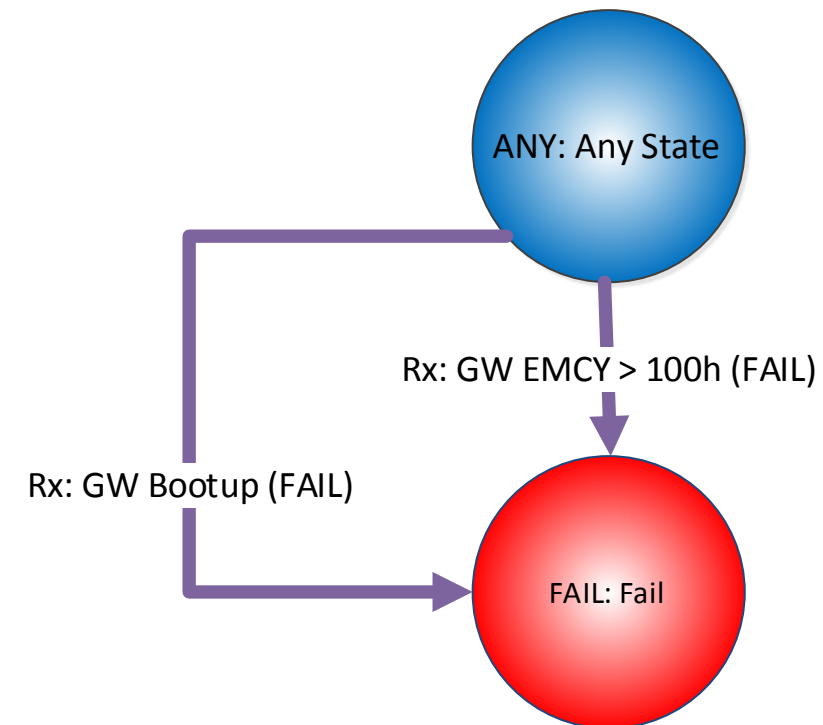
Testing HB loss detection, EMCY of HB lost within 750ms to 1000ms after last HB

File: CiA447_GW_HBlost
Version: 1.00
Test category: CiA 301 / CiA 447-1 heart beat definition
Timer resolution: 100 (1ms)
Global timeout: 30000 (30s)
Variable used: 4
Buffer used: 0
Default bit rate: 125kbps
DUT ID or range: 1, no range
Functions off: LSSMaster, PreSeq, PostSeq
Functions on: SmartID, CiA447ID



SU1: Test heart beat

In ANY state: FAIL test if any emergency or bootup is received.



SU1: Send boot up msg followed by Var2 number of heartbeats. Monitor that gateway sets device operational within 500ms. Stop heartbeats and wait for related EMCY and NMT Reset command after 750ms.

Use of variables:

- 1: simulated NMT state 0, 5, 0x7F
- 2: passed to this SU, number of HB to send
- 3: timer
- 4: SDO Request Index/Subindex

