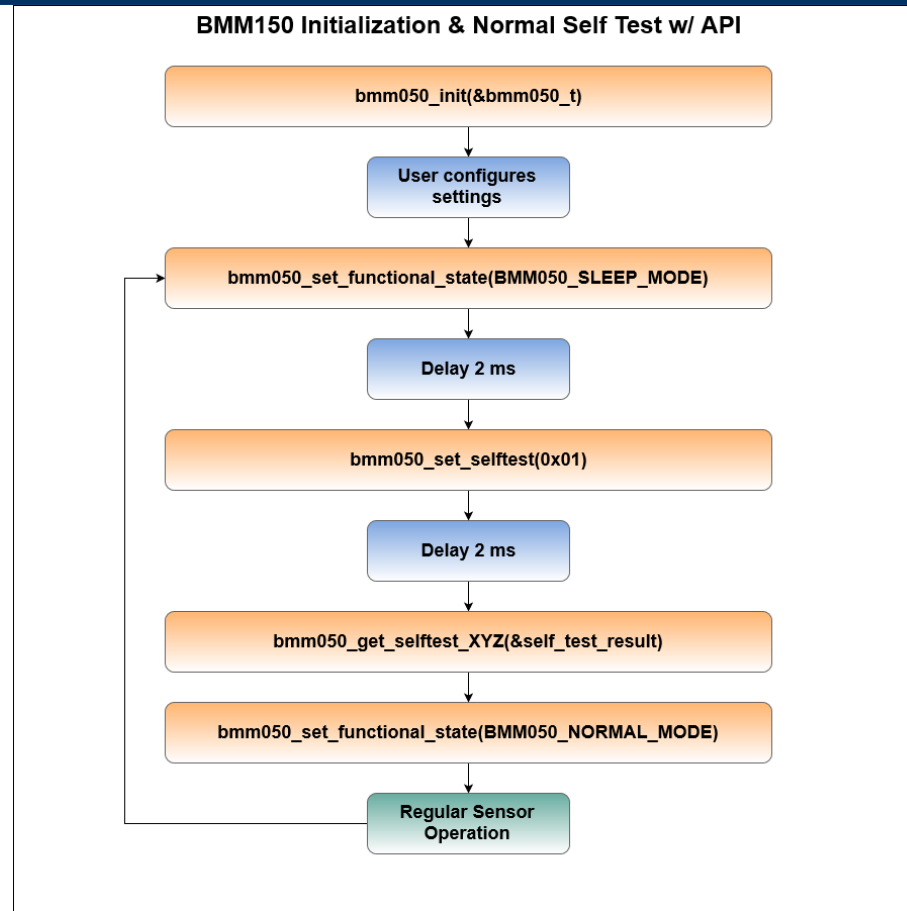


Normal Self Test Procedure

- Verifies signal path and connection to ASIC for every sensor
- Verifies Z channel offset has not overflowed
- BMM150 must be set to the Sleep Mode to perform normal self test
- Normal self test results should be read 2 ms after setting self test bit
- Normal self test is not performed automatically, but result bits default to '1' on reset



Advanced Self Test Procedure

- Verifies Z channel Hall sensor signal path and sensitivity
- Fully automated in API using function `bmm050_perform_advanced_selftest`
- Advanced self test is passed with result between 180 and 240 μT (2880 and 3840 LSB)
- Settings must be reconfigured after performing advanced self test

BMM150 Initialization & Advanced Self Test w/ API

