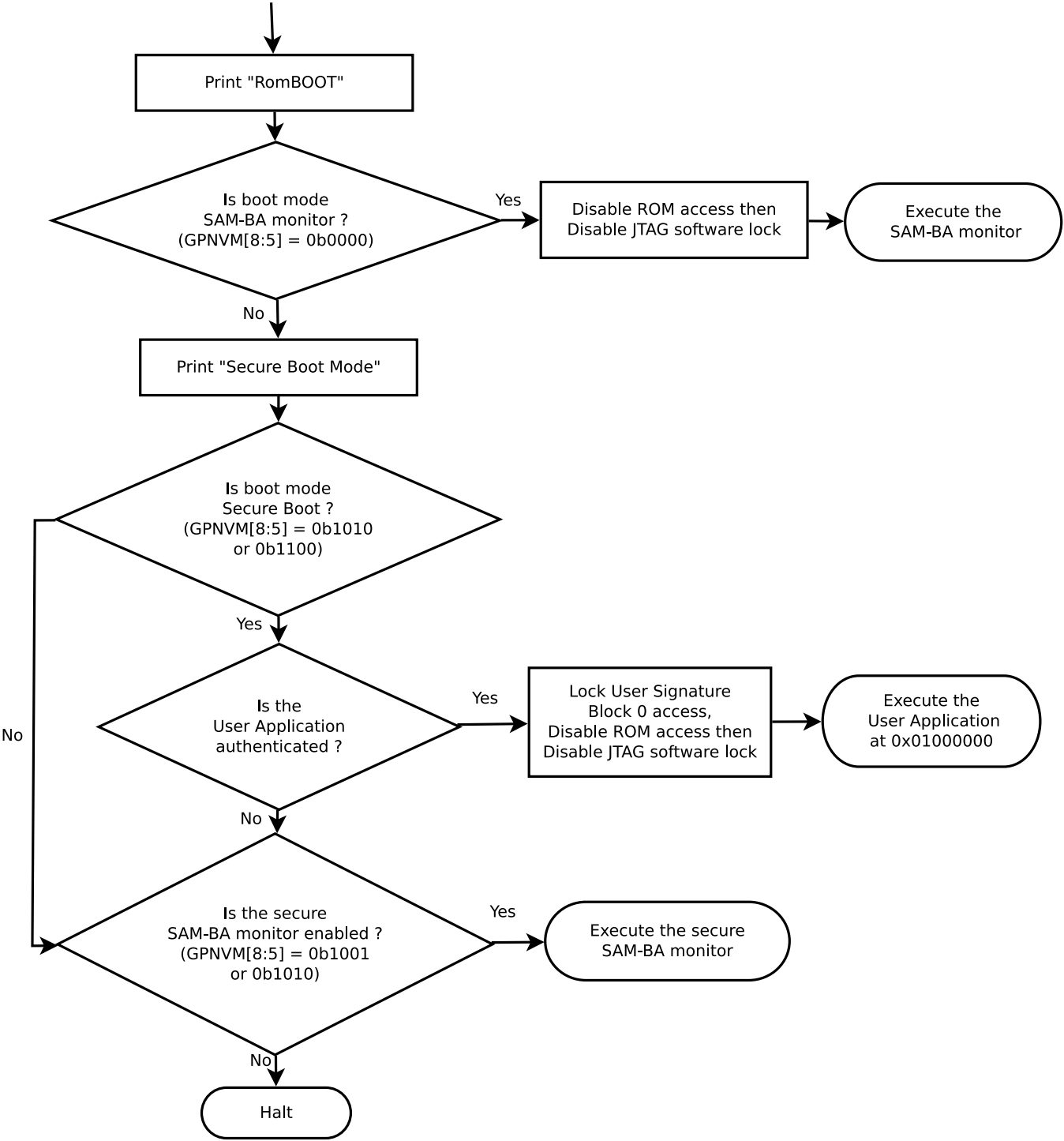
Print "RomBOOT"
Is boot mode
SAM-BA monitor ?
(GPNVM[8:5] = 0b0000)
Yes
Disable ROM access then
Disable JTAG software lock
Execute the
SAM-BA monitor
No
Print "Secure Boot Mode"
Is boot mode
Secure Boot ?
(GPNVM[8:5] = 0b1010
or 0b1100)
Yes
Is the
User Application
authenticated ?
Yes
Lock User Signature
Block 0 access,
Disable ROM access then
Disable JTAG software lock
Execute the
User Application
at 0x01000000
No
No
Is the secure
SAM-BA monitor enabled ?
(GPNVM[8:5] = 0b1001
or 0b1010)
Yes
Execute the secure
SAM-BA monitor
No
Halt