

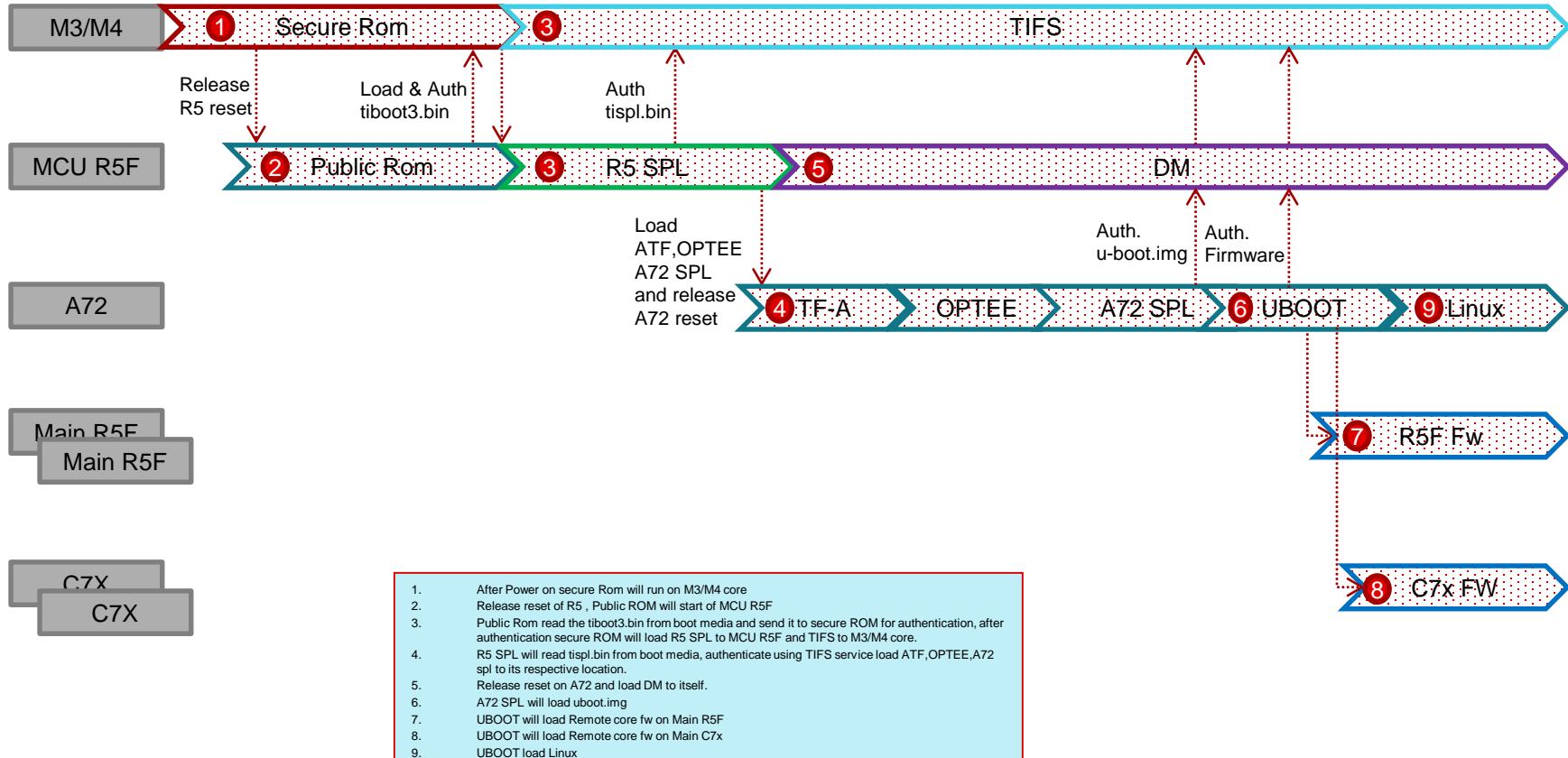
# Jacinto7 Boot Flow Options

TDA4x / DRA8x

# Outline

- HLOS Boot using SPL
  - Normal Boot flow
  - Falcon Boot flow
- HLOS Boot using SBL
  - Development Boot Flow
  - Optimized Boot Flow
  - Boot APP (Tertiary bootloader)

# Linux Boot flow-Normal Boot flow



# Linux Boot flow-Normal Boot flow - 2

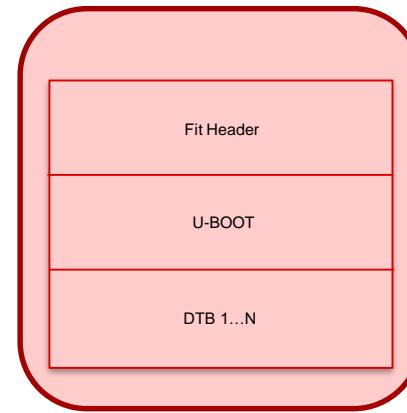
- Image Format



Tiboot3.bin

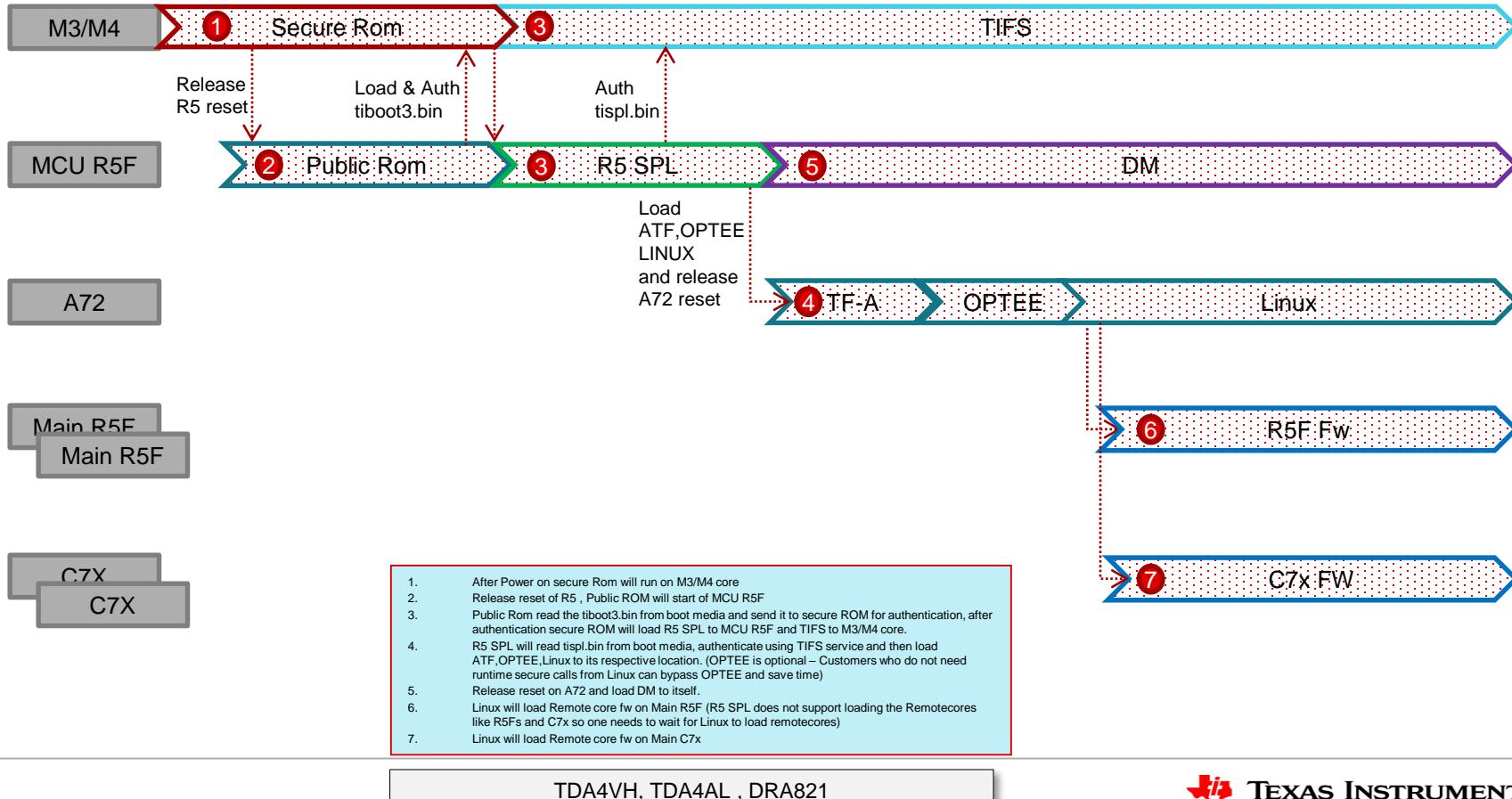


tispl.bin



Uboot.img

# Linux Boot flow-Falcon Boot flow

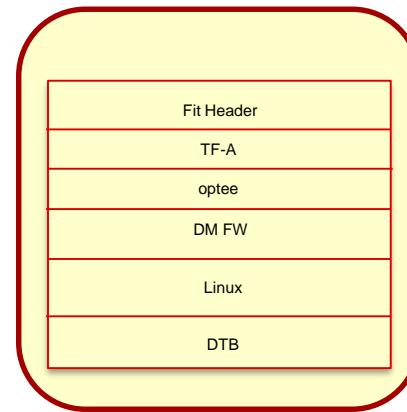


# Linux Boot flow-Falcon Boot flow- 2

- Image Format

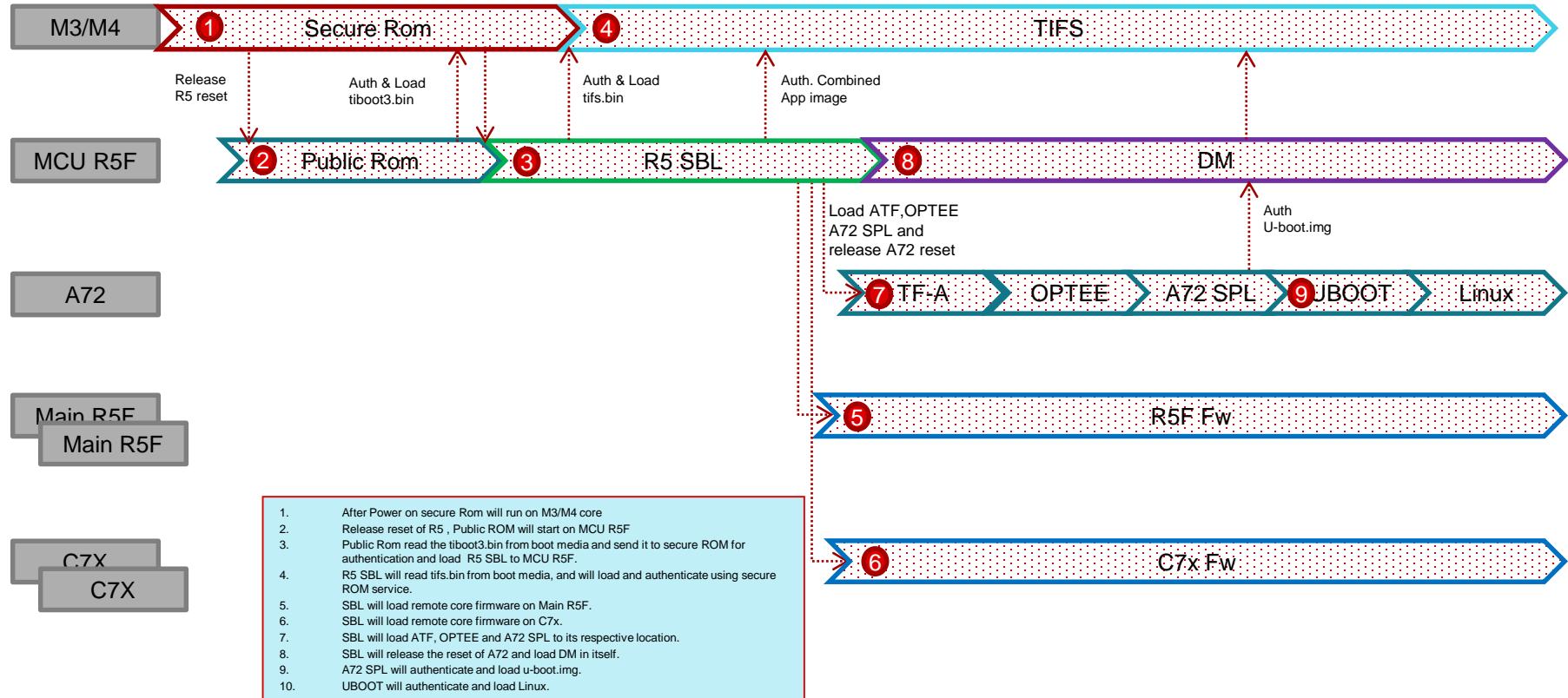


Tiboot3.bin



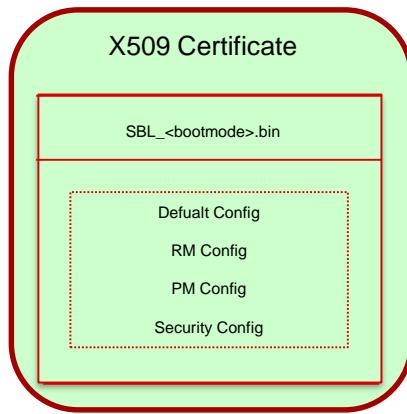
tispl.bin

# HLOS Boot using SBL-Development Boot Flow

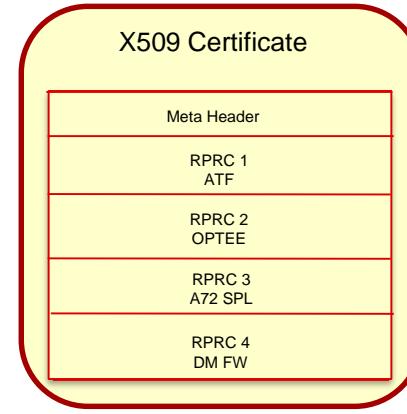


# HLOS Boot using SBL-Development Boot Flow-2

- Image Format

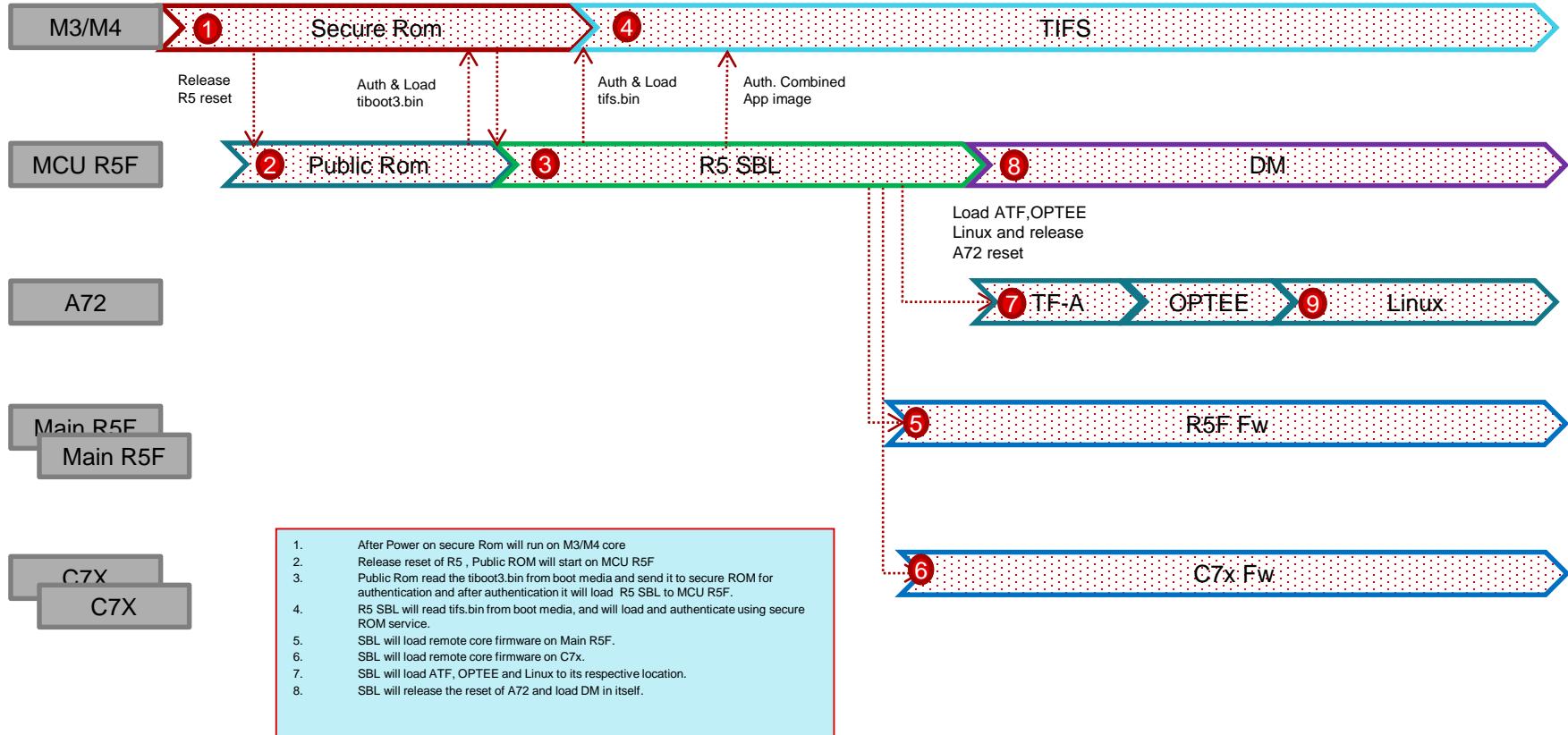


Tiboot3.bin



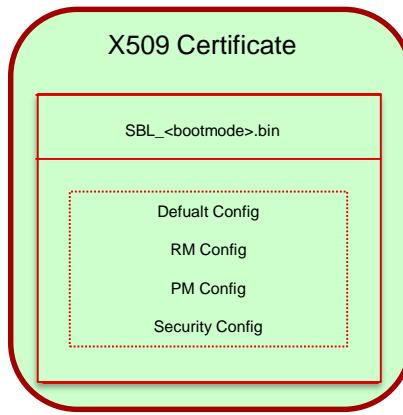
combined\_dev.appimage

# HLOS Boot using SBL-Optimized Boot Flow



# HLOS Boot using SBL-Optimized Boot Flow-2

- Image Format

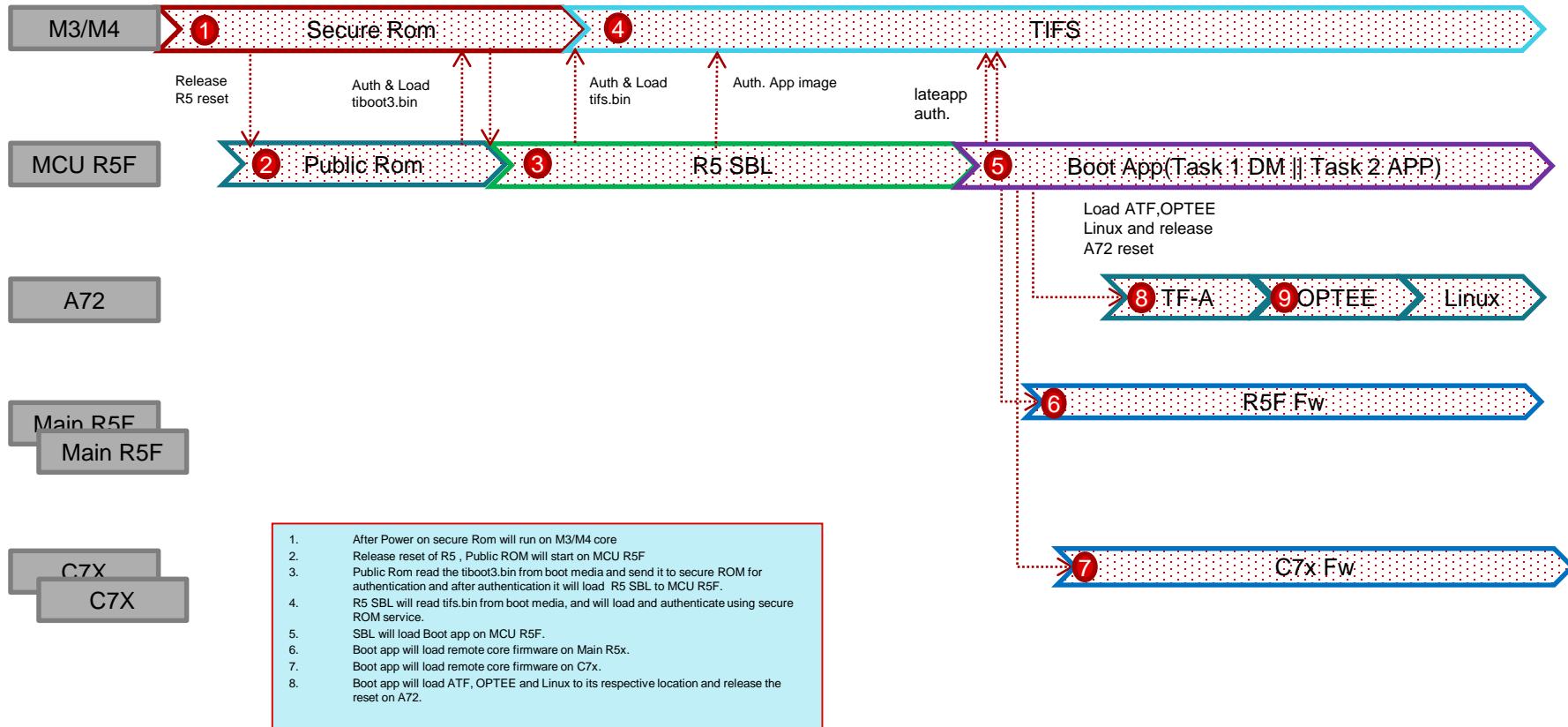


Tiboot3.bin



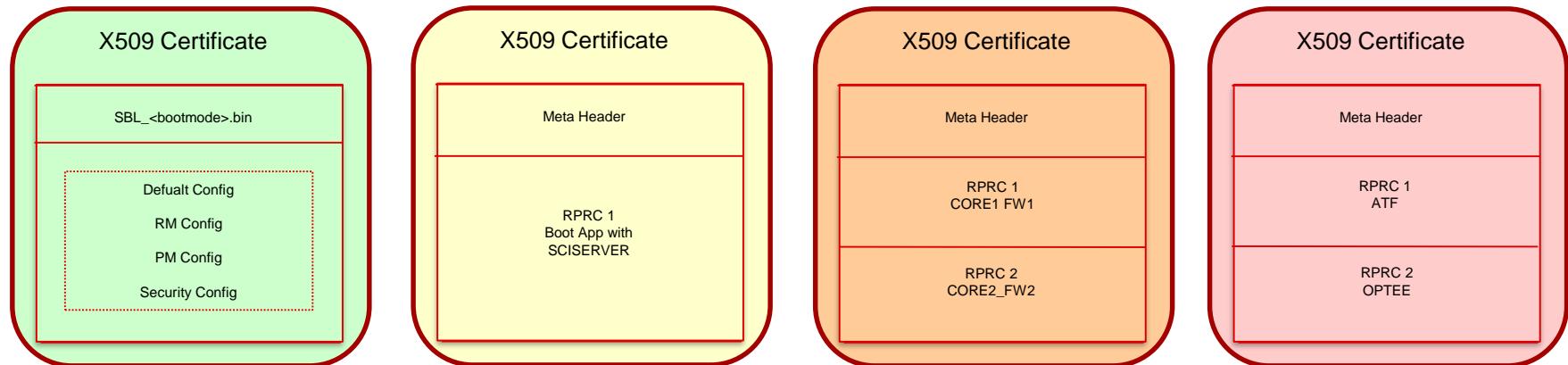
combined\_dev.appimage

# HLOS Boot using SBL- Boot APP (Tertiary bootloader)



# HLOS Boot using SBL- Boot APP (Tertiary bootloader) -2

- Image Format



Tiboot3.bin

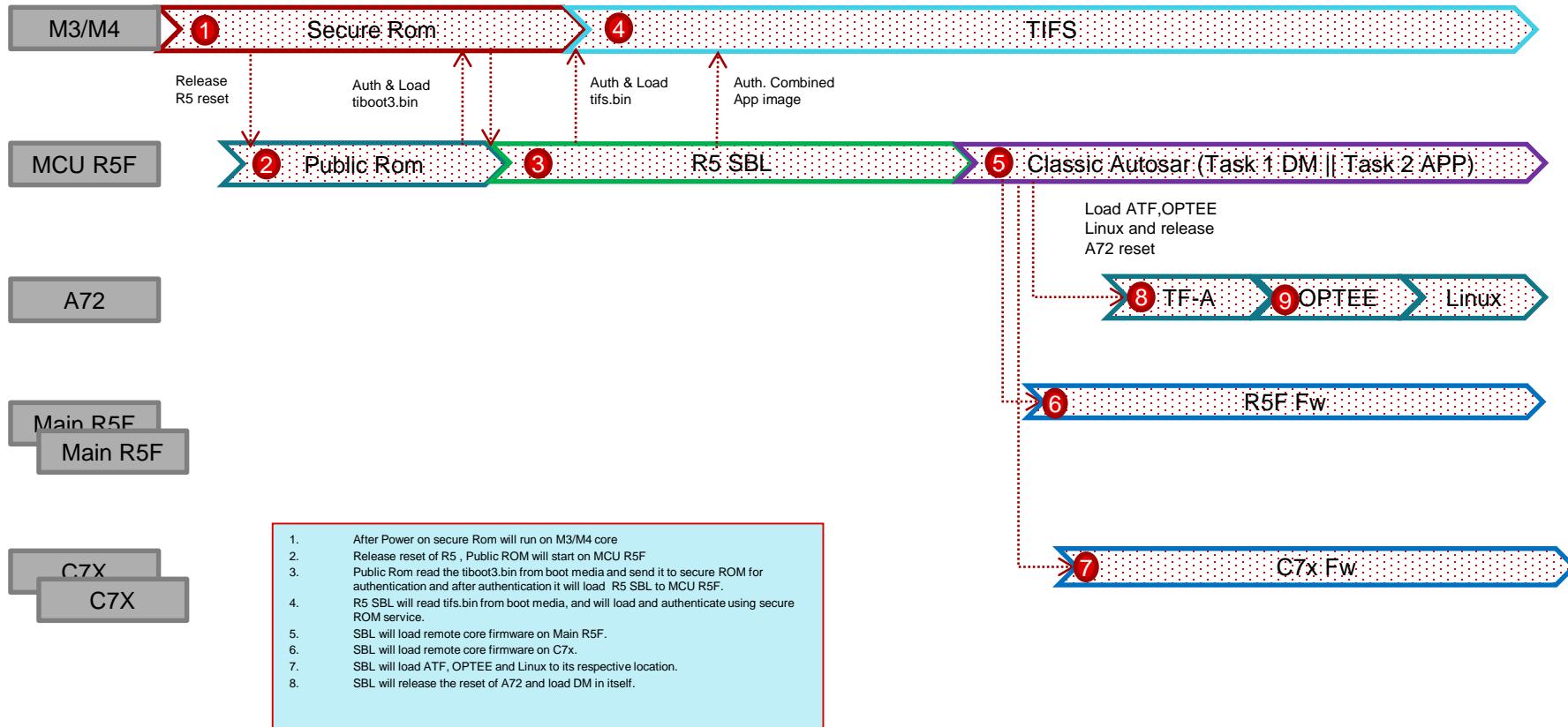
Boot App

lateappx

atf\_optee.appimage

Similar Format will be there  
for tidtb\_linux.appimage,  
tikernelimage\_linux.appimage

# HLOS Boot using SBL- Early Linux + AUTOSAR



# Documentation

- [J721S2 Linux Normal Boot Flow.](#)
- [SBL Overview.](#)
- [RTOS Combined app image.](#)
- [RTOS BOOT APP.](#)
- [System Firmware Authentication and Decryption Requests — TISCI User Guide](#)
- [Enable Flacon Boot Mode on AM68 device.](#)