Device Tree Lifetime
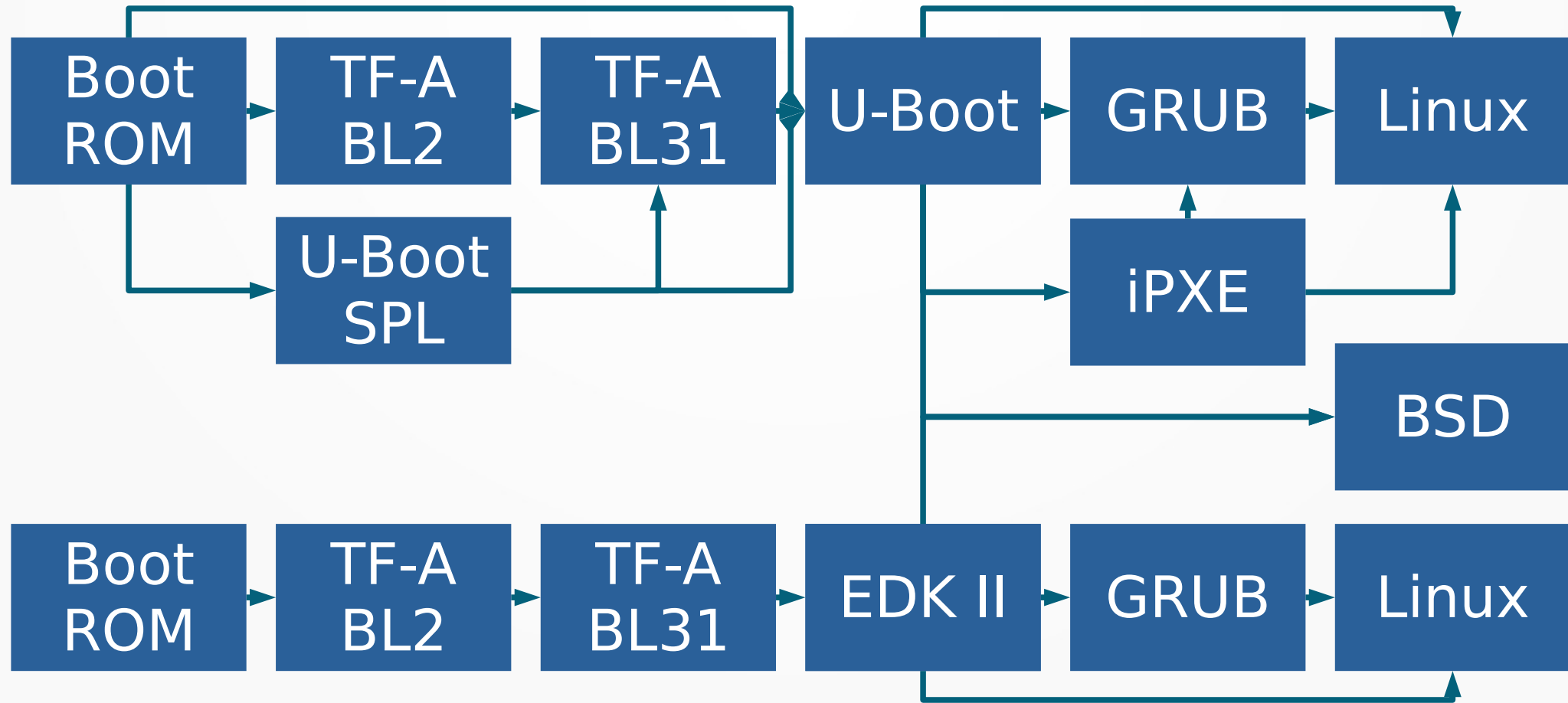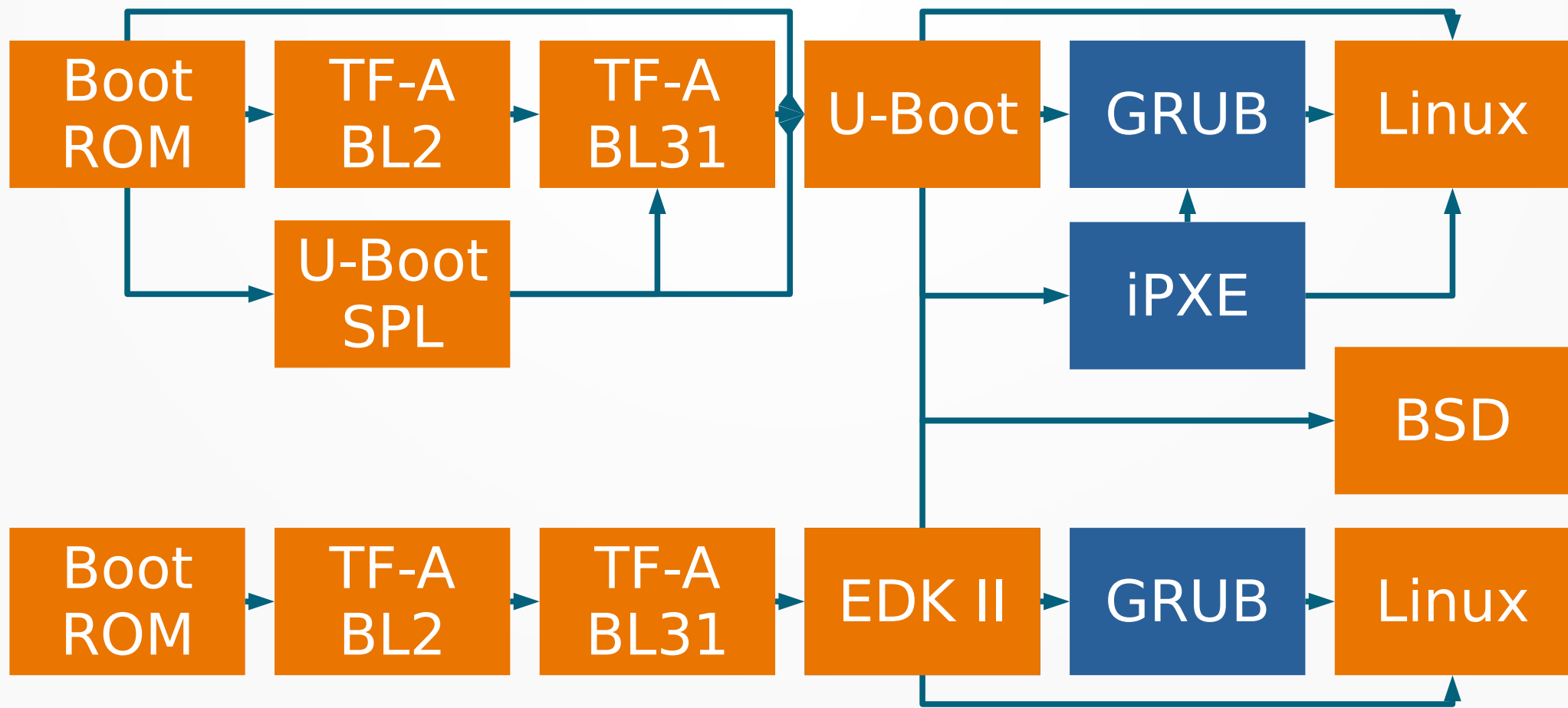
Heinrich Schuchardt, 2020-05-19

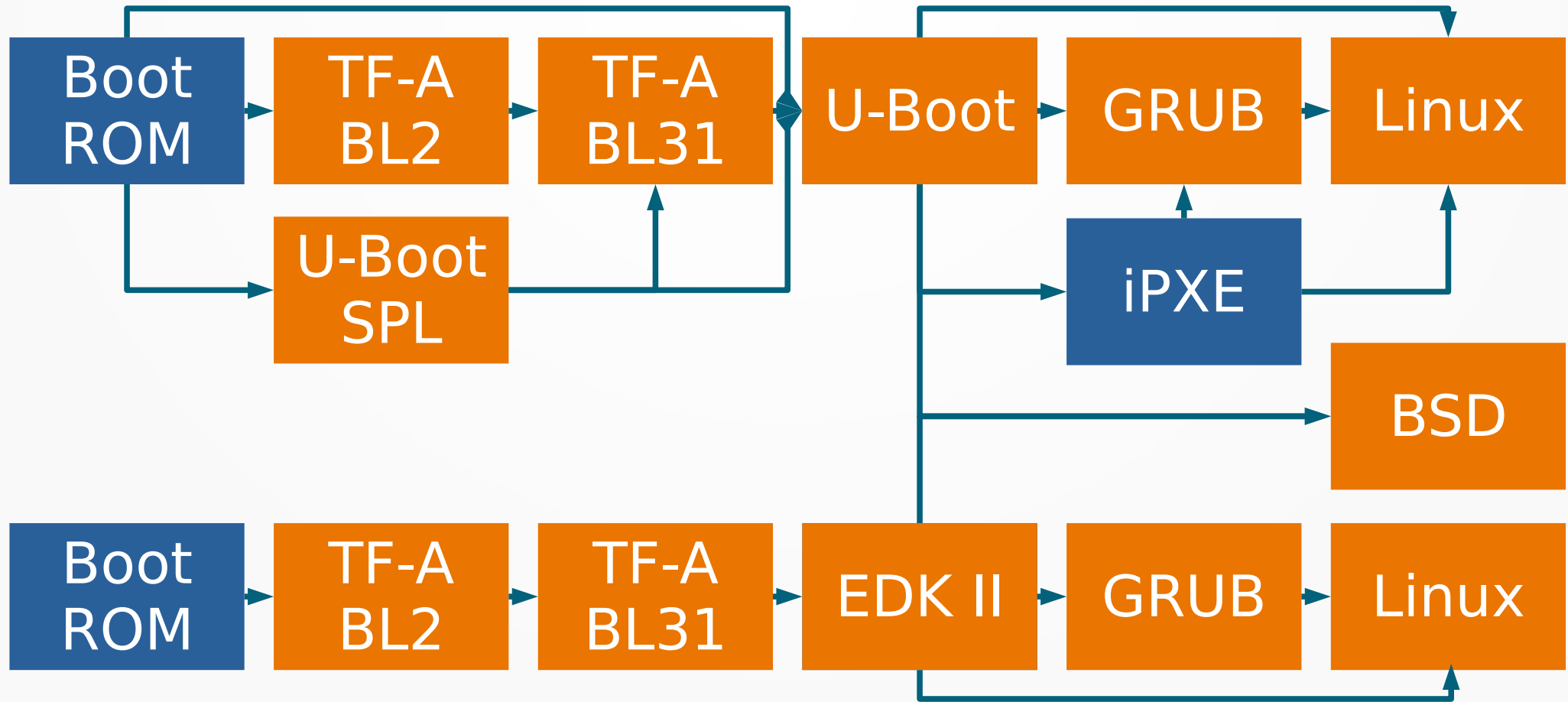# Boot Flow Examples

Device Tree Sources

Device Tree Modification

TF-A BL2

- Add PSCI node (QEMU)
- Add 'lossy-decompression@' node (Renesas)

TF-A BL31

- Set 'stdout-path' in '/chosen' node (RPi4)
- Add PSCI node (RPi4)
- Add reserved memory (RPi4)
- Set 'interrupts' properties on "arm,gic-400" compatible node (RPi4)

EDK2

- Set 'linux,initrd-start', 'linux,initrd-end' (Android)
- Disable 'arm,pl031' compatible node (QEMU)

OP-TEE OS

- Setup PSCI properties
- GPIO configuration (STM32)
- 'secure-status' of CAAM node (NXP crypto engine)
- 'tpm_event_log_sm_addr' property (TPM)

U-Boot

GRUB

- "linux,initrd-start", "linux,initrd-end", "bootargs"
- multiboot command parameters via /chosen node (Xen)