create	dtb	file
--------	-----	------

| L--- sccp.bin

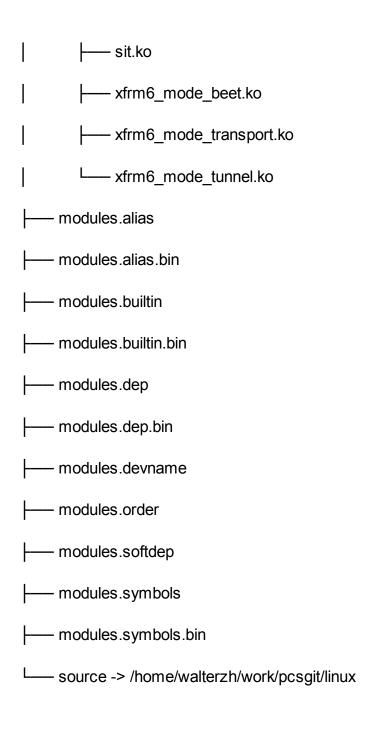
1. copy .config to Linux source root directory (it is created by yocto)
2. make ARCH=arm CROSS_COMPILE=arm-linux-gnueabi- mv6220-toc.dtb
create kernel
There is arch/arm/configs/pegmatite_defconfig file.
\$ make ARCH=arm CROSS_COMPILE=arm-linux-gnueabi- INSTALL_MOD_PATH=~/work/kernel_mod pegmatite_defconfig
\$ make ARCH=arm CROSS_COMPILE=arm-linux-gnueabi-
INSTALL_MOD_PATH=~/work/kernel_mod zlmage
\$ make ARCH=arm CROSS_COMPILE=arm-linux-gnueabi- INSTALL_MOD_PATH=~/work/kernel_mod modules
\$ make ARCH=arm CROSS_COMPILE=arm-linux-gnueabi-
INSTALL_MOD_PATH=~/work/kernel_mod modules_install
kernel mdoules are installed in work/kernel_mod/ directory.
f walter-b@walter-b ThinkDad T440n; ft tree work/kernel mad/
\$ walterzh@walterzh-ThinkPad-T440p:~\$ tree work/kernel_mod/
work/kernel_mod/
firmware

— modules
3.18.7-yocto-standard-00019-ge2438e0-dirty
build -> /home/walterzh/work/pcsgit/linux
kernel
L libahci_platform.ko
L— hw_random
L— rng-core.ko
— dro-pegmatite.ko
L— tsen-pegmatite.ko

```
i2c-mux-gpio.ko
| | L— touchscreen
| | | misc
eeprom
mmc_test.ko
| | |---- devices
mtd_blkdevs.ko
| | mtdblock.ko
| | L--- spi-nor.ko
| | L—tests
| | | mtd_nandbiterrs.ko
```

```
— mtd_nandecctest.ko
    --- mtd_oobtest.ko
    — mtd_pagetest.ko
      --- mtd_readtest.ko
      ---- mtd_speedtest.ko
    ---- mtd_stresstest.ko
    — mtd_subpagetest.ko
    L— mtd_torturetest.ko
L— phy-mv-pegmatite-sata.ko
  pwm
 pwm-mv61.ko
 regulator
  | L---- pegmatite-regulator.ko
spi-pxa2xx-pci.ko
  L— spi-pxa2xx-platform.ko
  ---- usb
  | --- chipidea
    | |--- ci_hdrc_imx.ko
    | |--- ci_hdrc.ko
      --- ci_hdrc_msm.ko
    ci_hdrc_pci.ko
    ci_hdrc_usb2.ko
    | |--- ci_hdrc_zevio.ko
```

```
usbmisc_imx.ko
| | L— libcomposite.ko
| | L— storage
usb-storage.ko
pegmatite_wdt.ko
| | — configfs
| | L—— configfs.ko
udf.ko
crc-itu-t.ko
l L— net
├---- ipv4
  | |---- ip_tunnel.ko
  L--- tunnel4.ko
  ipv6
   ---- ipv6.ko
```



How to only build the specific directory of kernel?

for example:

1. rebuild mm/ directory only

\$ make ARCH=arm CROSS_COMPILE=arm-linux-gnueabi-INSTALL_MOD_PATH=~/work/kernel_mod mm/ clean \$ make ARCH=arm CROSS_COMPILE=arm-linux-gnueabi-INSTALL_MOD_PATH=~/work/kernel_mod mm/ 2. rebuild drivers/i2c directory only

\$ make ARCH=arm CROSS_COMPILE=arm-linux-gnueabi-INSTALL_MOD_PATH=~/work/kernel_mod drivers/i2c/ clean

\$ make ARCH=arm CROSS_COMPILE=arm-linux-gnueabi-INSTALL_MOD_PATH=~/work/kernel_mod drivers/i2c/