1. Merge code
2. Build code

Build SN Utopia and SN:

1.export PATH=/tools/arm/arm-2012.09/bin/:$PATH

2.cd /UTPA2-700.0.x/build

3.cp maserati/.config\_maserati\_linux\_arm\_hardfloat\_dynamic\_general .config

4.make defconfig; make clean; make xc; make bsp

5.cd /bsp/include/

6.把apiXC.h apiXC\_EX.h apiXC\_v2.h UFO.h四个头文件替换到supernova\projects\board\maserati\libraries\utopia\sn\include

7.再把bsp中的libapiXC.so放到supernova\projects\board\maserati\libraries\utopia\sn\arm-gnueabi-4.7.2\libs

8. buid SN

cd Supernova/projects/

source ./buildsettings/build\_Maserati\_098D\_ROM\_EMMC\_TVOS\_DTMB\_KernelMode\_SEPARATE.sh

更新hash key

make rebuild\_all -j4

make image\_all -j4

get image: Supernova/target/dvb.monaco/images/ext4/

Build kernel:

     1.export PATH=/tools/arm/MStar/linaro-aarch64\_linux-2014.09\_843419-patched/bin:$PATH

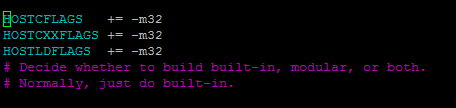
2.cd /linaro

3.cp .config\_maserati\_SMP\_arm64\_andorid\_emmc\_nand\_utopiaXP .config

4. ./genlink.sh

5.make menuconfig;

build fail打印/usr/bin/ld: cannot find -lxxx的话，请把linaro/ Makefile下面的这三句注释掉

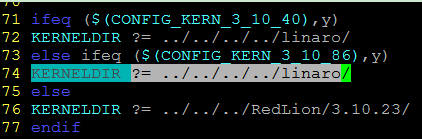


6.make clean; make –j32

Build utpa2k.ko: (需先build kernel)

1.source ./genlink.sh

2.Modify /UTPA2-700.0.x/build/utpa2k.mk let KERNELDIR ?= /path/to/your/linaro/



3.export PATH=/tools/arm/MStar/linaro-aarch64\_linux-2014.09\_843419-patched/bin:$PATH

4.cd UTPA2-700.0.x/build

5.cp maserati/.config\_maserati\_linux\_arm64\_hardfloat\_dynamic\_general\_64bit\_ko .config

6.make menuconfig;make clean; make kdrv –j8

7.utpa2k.ko 在UTPA2-700.0.x /build路径下

       将utpa2k.ko放进AN的device/mstar/mandarin/preinstall/modules/中build AN(可以和Build AN Utopia第18步操作后一起build AN)。

Build AN Utopia:

1.export JAVA\_HOME=/usr/lib/jvm/java-7-openjdk-amd64;

2.export JAVADOC\_HOME=/usr/lib/jvm/java-7-openjdk-amd64;

3.mkdir /marshmallow-mstar-master;

4.cd /marshmallow-mstar-master;

5. repo init -u ssh://hcgit:29418/platform/manifest -b marshmallow-mstar-master --reference /tools/hcgit

6.repo sync -j16

7.source build/envsetup.sh;

8.lunch aosp\_mulberry-userdebug

9.cd / marshmallow-mstar-master /system/core/libcutils;

10.mma -j16;

11. cd /marshmallow-mstar-master/device/mstar/mangosteen/libraries/utopia/;

12.chmod 777 ./genlink.sh;

13. sh genlink.sh $ProjHome/UTPA2-700.0.x/;

14. cd ./src/;

15.mm -B -j16;

16.cd ..

17.sh bsp.sh

18.将src/bsp 裡的 include,lib,lib64分別放至/utopia 資料夾的include,lib,lib64

cp -ar ./src/bsp/include/\* ./include

cp -ar ./src/bsp/lib/\* ./lib

cp -ar ./src/bsp/lib64/\* ./lib64

接下来是build AN

19 . cd 到marshmallow-mstar-master

20.make -j32

21.releaseimage.sh

22.cd ../ get images

Build AN:

1.export JAVA\_HOME=/usr/lib/jvm/java-7-openjdk-amd64;

2.export JAVADOC\_HOME=/usr/lib/jvm/java-7-openjdk-amd64;

3.mkdir /marshmallow-mstar-master;

4.cd /marshmallow-mstar-master;

5. repo init -u ssh://hcgit:29418/platform/manifest -b marshmallow-mstar-master --reference /tools/hcgit

6.repo sync -j16

7.source build/envsetup.sh;

8.lunch aosp\_mulberry-userdebug

9.make -j32

10.releaseimage.sh

11.cd ../ get images

三、烧录image