Wireless extension tools porting guide

export PATH=$PATH:/toolchain/bin/

(A)openssl-0.9.8k.tar.gz

(1)tar zxvf openssl-0.9.8k.tar.gz

(2)cd openssl-0.9.8k

(3)./Configure linux-generic32 --prefix=$(pwd)/ssh_install shared

(4)vim crypto/bio/bss_file.c

    line 82:

        #define _FILE_OFFSET_BITS 64 (-)

        #define _FILE_OFFSET_BITS 32 (+)

(5)vim Makefile

    line 62:

        CC= mipsel-linux-gcc

    line 69:

        AR= mipsel-linux-ar $(ARFLAGS) r

    line 70:

        ARD= mipsel-linux-ar $(ARFLAGS) d

(6)make

(7)make install

(8)in "ssh_install" folder

    lib/libcrypto.a

    lib/libcrypto.so.0.9.8 (copy to target platform)

    lib/libssl.a

    lib/libssl.so.0.9.8 (copy to target platform)

(B)wpa_supplicant-0.6.9.tar.gz

(1)tar zxvf wpa_supplicant-0.6.9.tar.gz

(2)cd wpa_supplicant-0.6.9\wpa_supplicant

(3)cp defconfig .config

(4)vim .config

    line 15:

        CFLAGS += -I/openssl-0.9.8k/ssh_install/include

    line 16:

LIBS += -L/openssl-0.9.8k/ssh_install/lib
　　　line 184:
　　　　　#CONFIG_WPS=y (-)
　　　　　CONFIG_WPS=y (+)

(5)vim Makefile
　　　added:
　　　　　CC = mipsel-linux-gcc
(6)make

(7)copy "wpa_supplicant" and "wpa_cli" to target platform
(8)edit & copy "wpa1.conf" file to target platform
(9)./wpa_supplicant -iwlan0 -Dwext -c wpa1.conf -dd &
(10)./wps_cli (for wps in Interactive mode)
(11) > help
　　　> wps_pbc
　　　> wps_pin any 12345678

(C)wireless_tools.29.tar.gz
(1)tar zxvf wireless_tools.29.tar.gz
(2)cd wireless_tools.29
(3)vim Makefile
　　　line 12:
　　　CC = mipsel-linux-gcc
　　　line 14:
　　　AR = mipsel-linux-ar
　　　RANLIB = ranlib
(4)make
(5)copy "iwconfig" and "iwlist" to target platform \usr\bin
(6)copy "iwlib.so" to target platform \lib or \usr\lib