Wireless extension tools porting guide

export PATH=$PATH:/toolchain/bin/

(A) wpa_supplicant_hostapd-0.8_rtw_20111118.zip

(1) wpa_supplicant

    (1-1)unzip wpa_supplicant_hostapd-0.8_rtw_20111118.zip

    (1-2)cd wpa_supplicant_hostapd-0.8\wpa_supplicant

    (1-3) vim Makefile

        added:

            CC = mipsel-linux-gcc

    (1-4)make

    (1-5)copy "wpa_supplicant" and "wpa_cli" to target platform

    (1-6)copy "wpa_0_8.conf" file to target platform

    (1-7)./wpa_supplicant -iwlan0 -Dwext -c wpa_0_8.conf -dd &

    (1-8)./wps_cli (for wps in Interactive mode)

    (1-9) > help

        > wps_pbc

        > wps_pin any 12345678

(2) hostapd

    (1-1)unzip wpa_supplicant_hostapd-0.8_rtw_20111118.zip

    (1-2)cd wpa_supplicant_hostapd-0.8\hostapd

    (1-3) vim Makefile

        added:

            CC = mipsel-linux-gcc

    (1-4)make

    (1-5)copy "hostapd" and "hostapd_cli" to target platform

    (1-6)copy "rtl_hostapd.conf" file to target platform

    (1-7)start hostapd daemon:

        ./hostapd rtl_hostapd.conf -B

(B) wpa_supplicant-0.6.9_wps_patch_20100201_1.zip

(1)unzip wpa_supplicant-0.6.9_wps_patch_20100201_1.zip

(2)cd wpa_supplicant-0.6.9\wpa_supplicant

(3)cp defconfig .config

(4)vim .config

    line 184:

        #CONFIG_WPS=y (-)

        CONFIG_WPS=y (+)

(5)vim Makefile

    added:

        CC = mipsel-linux-gcc

(6)make

(C)wireless_tools.30.rtl.tar.gz

For general linux:

(1)tar zxvf wireless_tools.30.rtl.tar.gz

(2)cd wireless_tools.30.rtl

(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

For Android:

(1)tar zxvf wireless_tools.30.rtl.tar.gz

(2)cp wireless_tools.30.rtl <ANDROID_SDK>/external/

(3)cd <ANDROID_SDK>

(4)make iwconfig iwlist iwpriv