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) > \text{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:
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(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

./hostapd rtl_hostapd.conf -B

(3)cp defconfig .config

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(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