# Wireless extension tools porting guide

export PATH=\$PATH:/toolchain/bin/

### (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