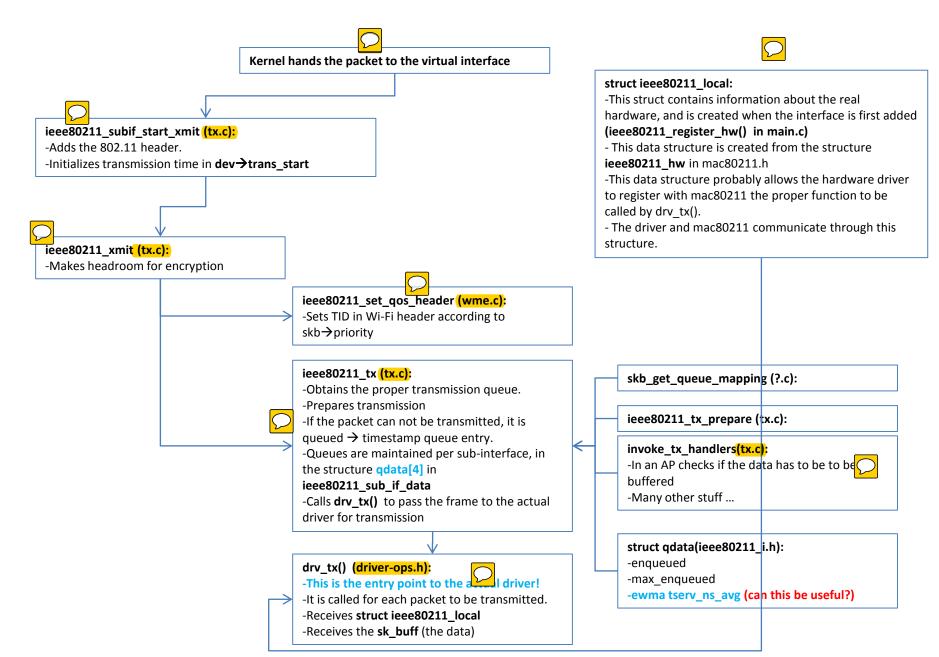
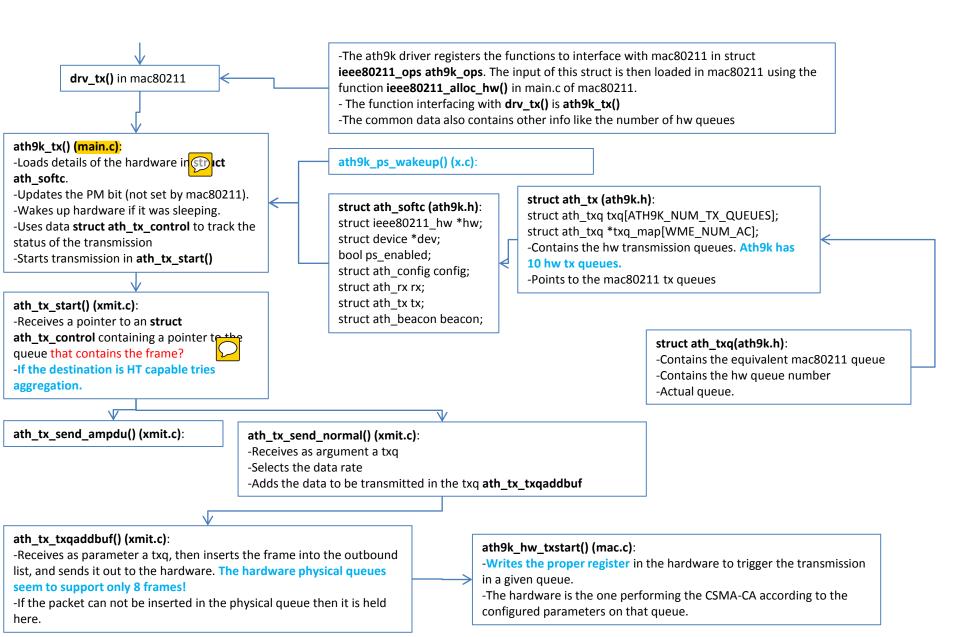
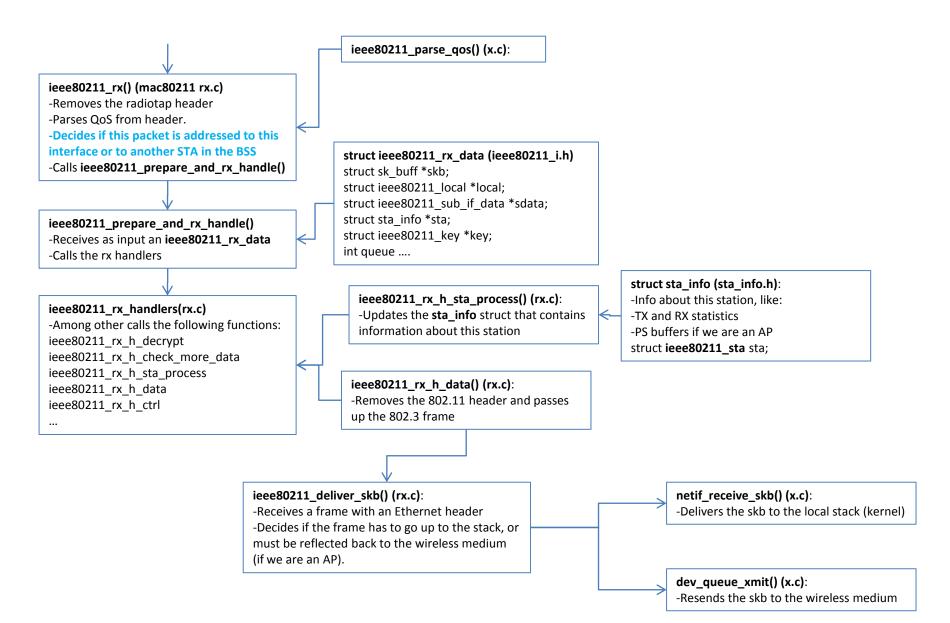
#### **1. Transmission Path**: kernel → mac80211 → ath9k



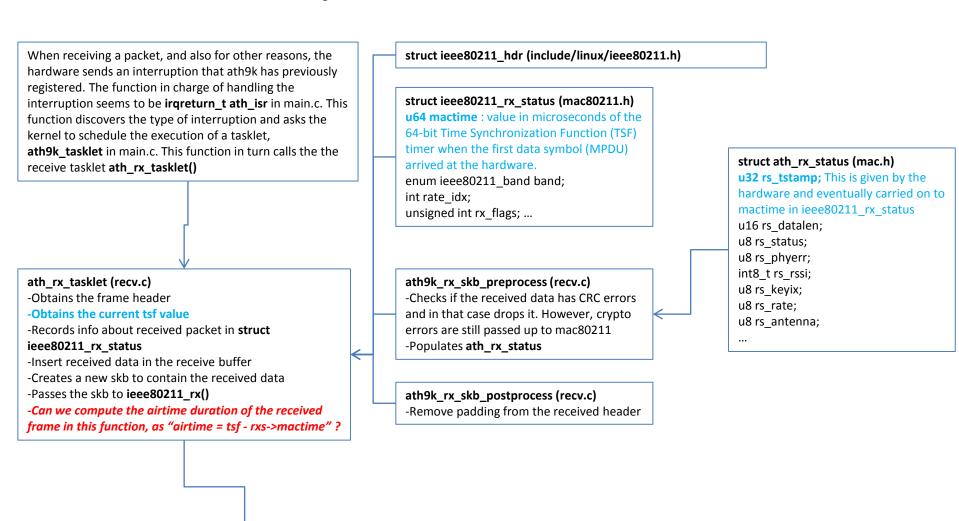
### **1a. Transmission Path:** ath9k→hardware



## 1. Reception Path: mac80211→kernel

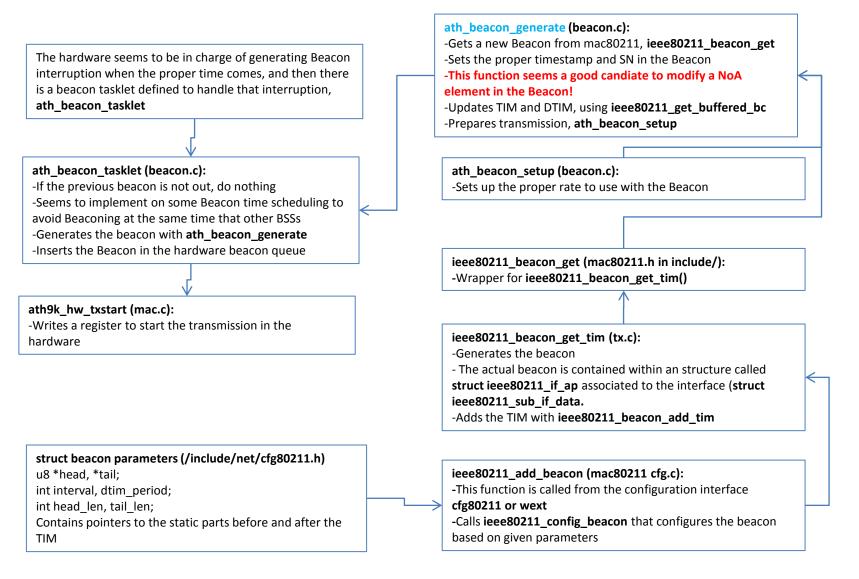


### **1a. Reception Path:** hardware → ath9k

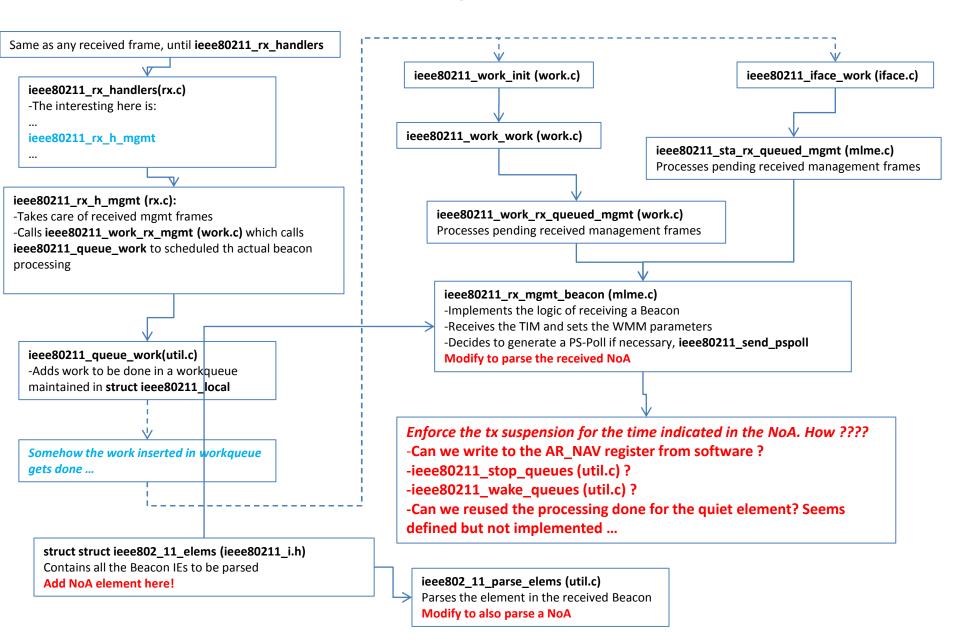


ieee80211\_rx() (mac80211 rx.c)
-This is the entry point to mac80211

## 1. Beacon Tx path: from ath9k to mac80211

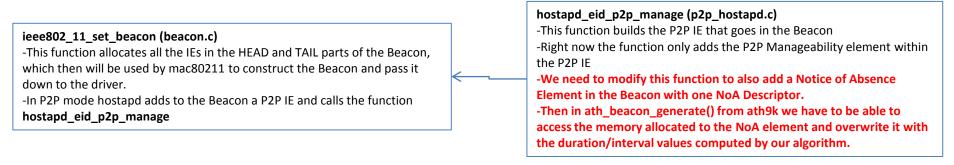


### 1. Beacon Rx path: mac80211



# 1. Beacon set up: hostapd/wpa\_supplicant

- hostpad creates all the STATIC template of the Beacon frame (i.e., SSID, supported rates, ...) and then passes it down to mac80211.
- The low level driver (ath9k) is the one in control of the DYNAMIC parts of the Beacon (SNs, Timestamp, TIM).



 When including the NoA element in the Beacon, we should reuse the definition already provided by hostap. Note that the current P2P implementation can already send a P2P Presence Request frame which contains NoA descriptors.

