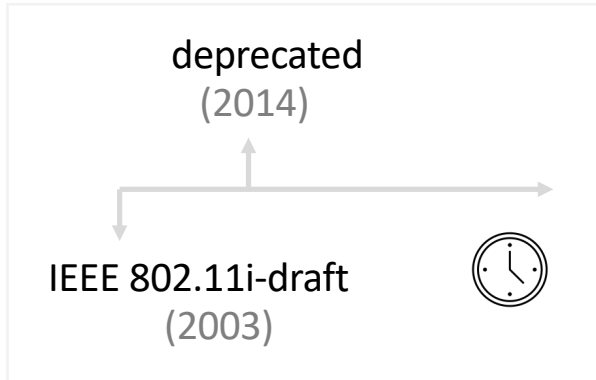


Wi-Fi Protected Access (WPA) -

www.ruxandraolimid.weebly.com/pagesonsecurity

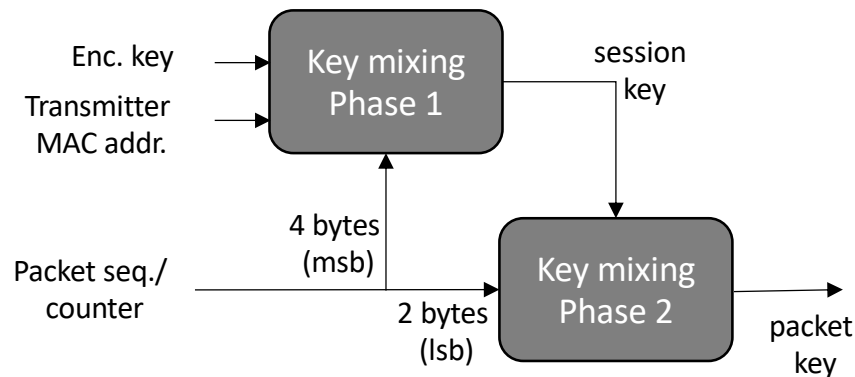


Sizes

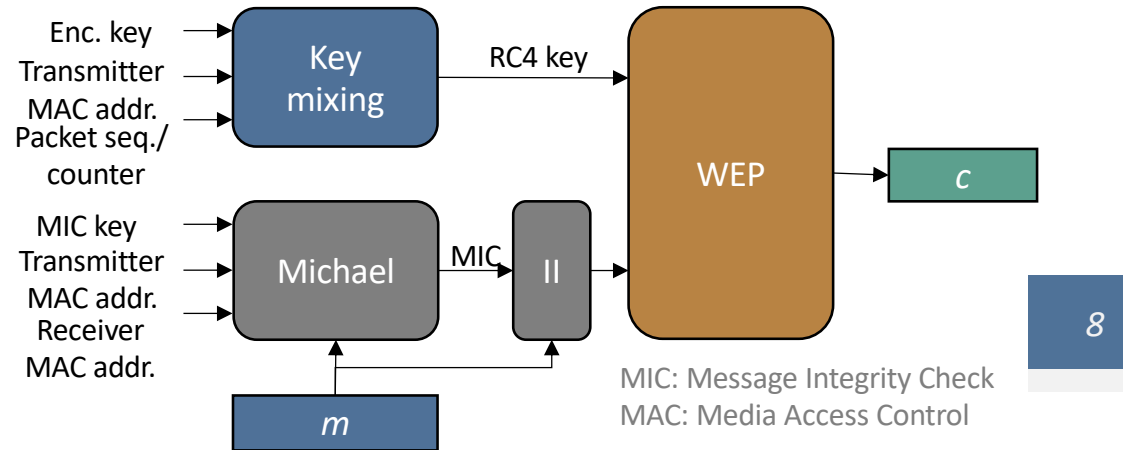
Packet seq.: 48 bits

MIC: 64 bits

Key Mixing



- + **Integrity:** MIC instead of CRC
- + **Lengths:** larger (e.g., Packet seq. vs. IV)
- + **Key management:** key per package (packet no. to avoid replay attacks)
- **Attacks**



KCK: Key Confirmation Key
KEK: Key Encryption Key
TK: Temporal Keys

Temporal Key Integrity Protocol (TKIP)

