VoWiFi

Access Types

3GPP

2G, 3G, 4G, & 5G

Non-3GPP

Fixed networks

WiMAX

WLAN

Pairing with IMS

4G + IMS = VoLTE → 3GPP

5G + IMS = VoNR → 3GPP

WLAN + IMS = VoWiFi → non - 3GPP

3 Types of Non-3GPP Access

IMS Direct Access Trusted WLAN Untrusted WLAN



IMS Direct



Least common

Custom solutions

Trusted WLAN

What makes it Trusted WLAN?

Access to the network

Backhaul

Security

Examples

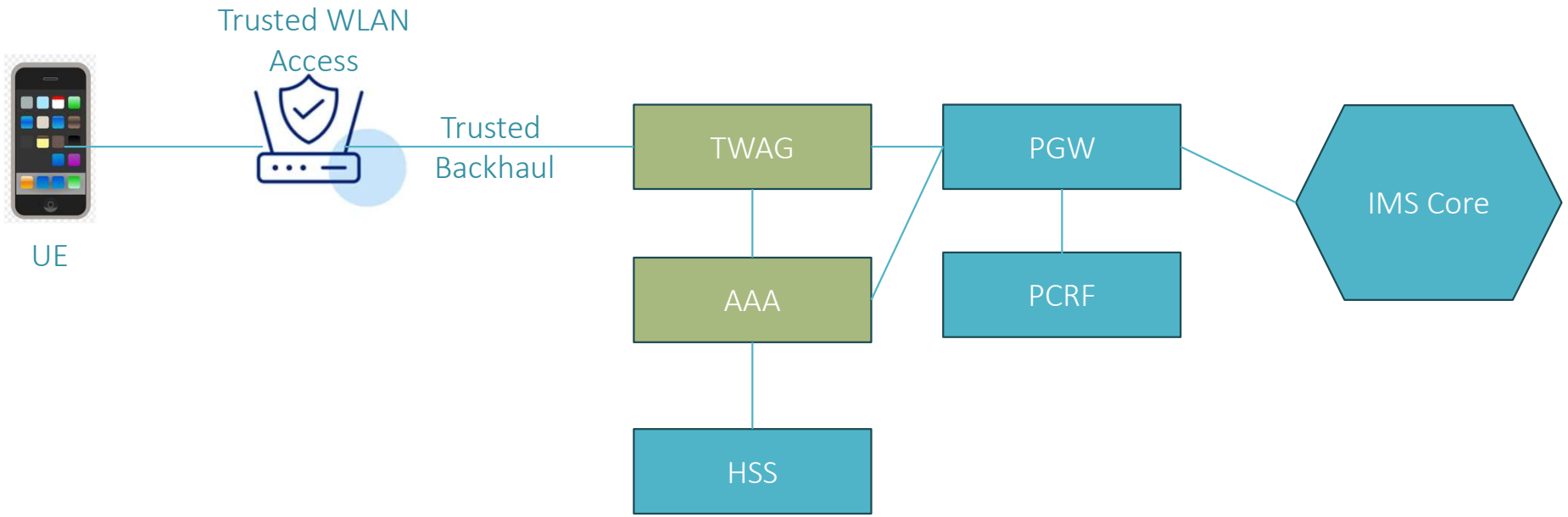
Enterprise



Operator



Trusted WLAN Architecture



Untrusted WLAN

What makes an Untrusted WLAN?

Access to the network

Backhaul

Strict and more intricate security

Examples

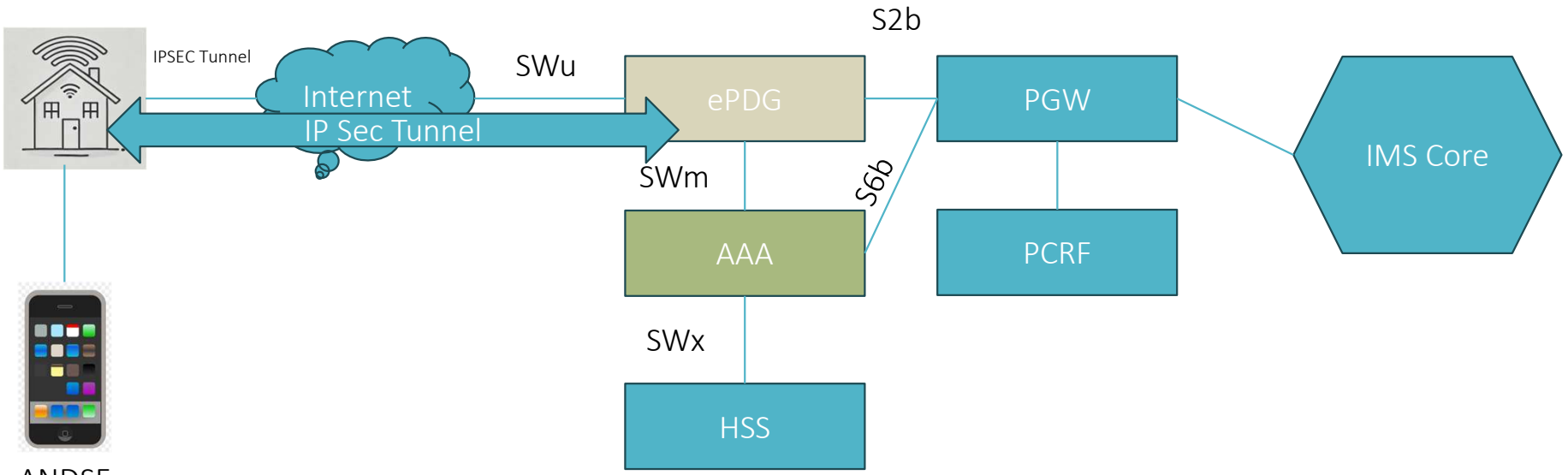






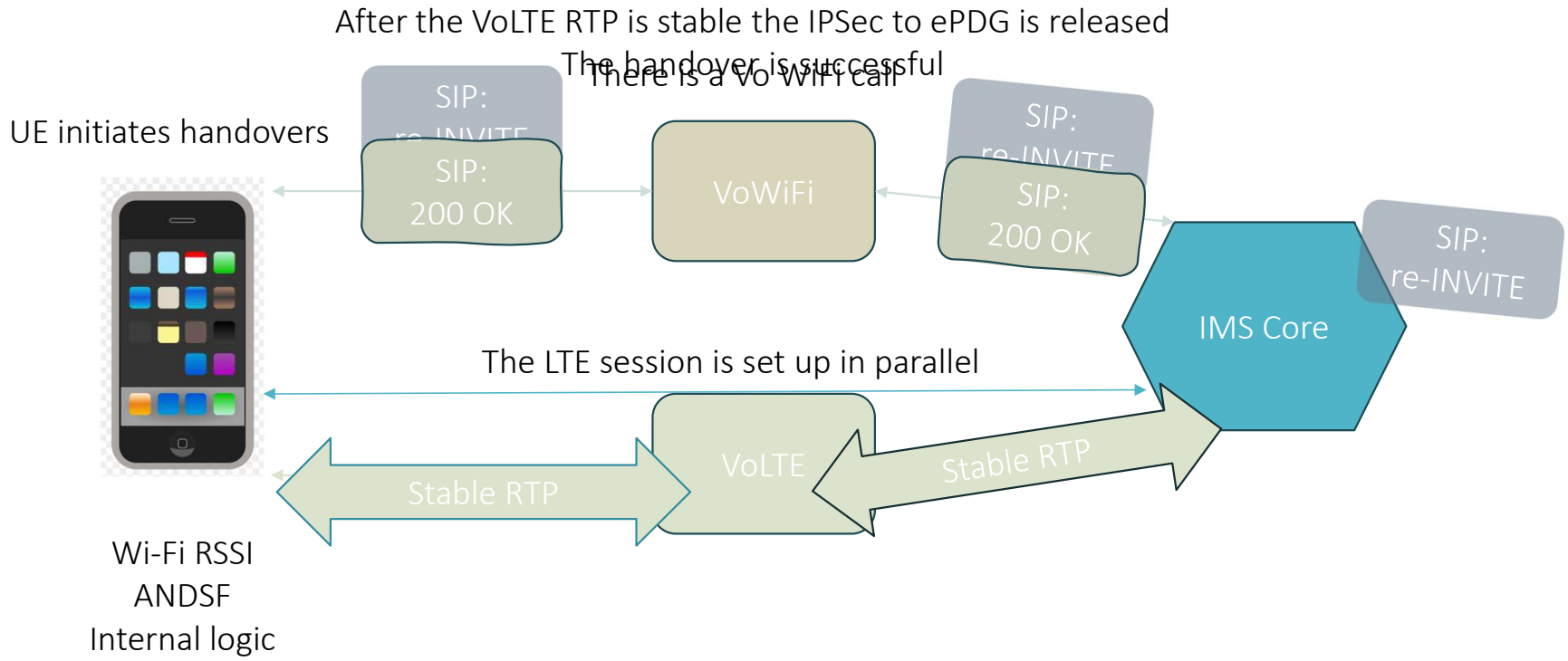


Untrusted WLAN Architecture



ANDSF
USIM
Pre-Configured

VoLTE & VoWiFi Handovers



VoWiFi Summary

3 Non-3GPP Access Types
IMS Direct
Trusted WLAN
Untrusted WLAN
VoWiFi – VoLTE Handovers