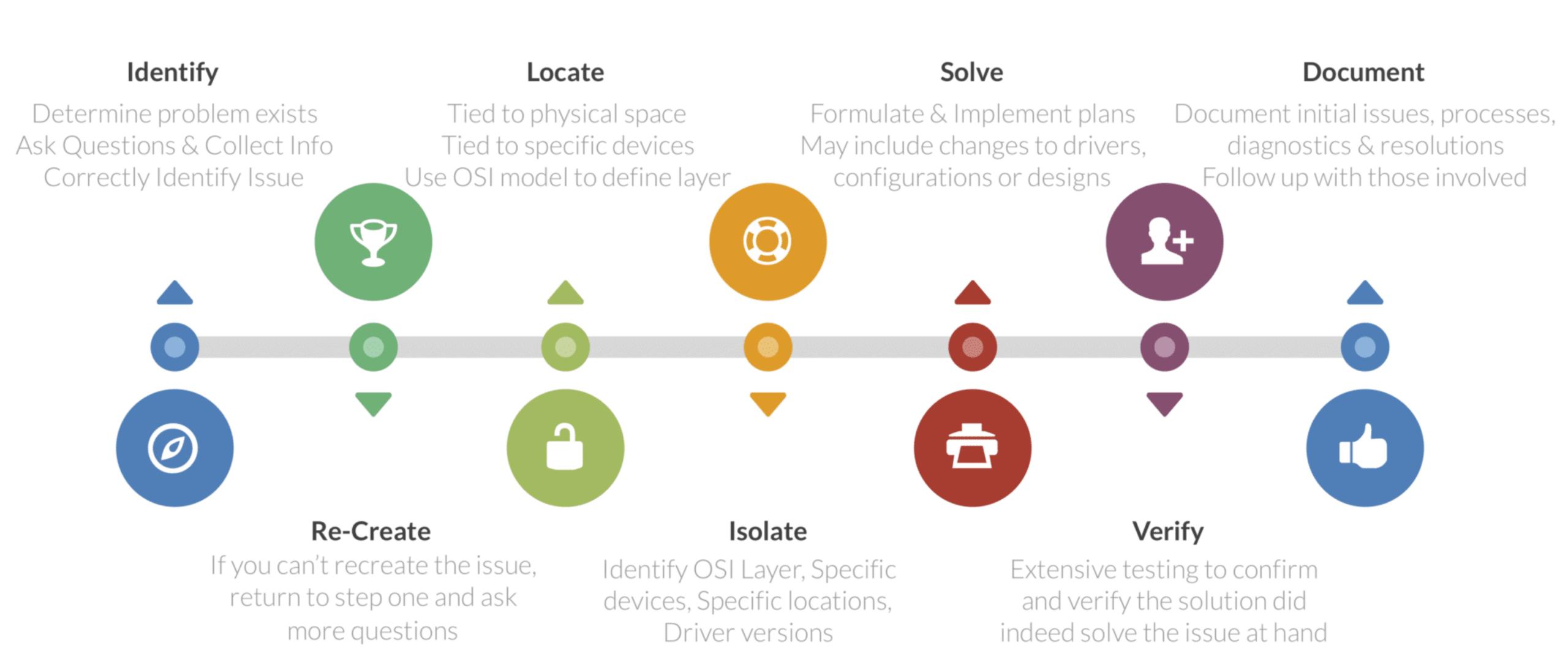
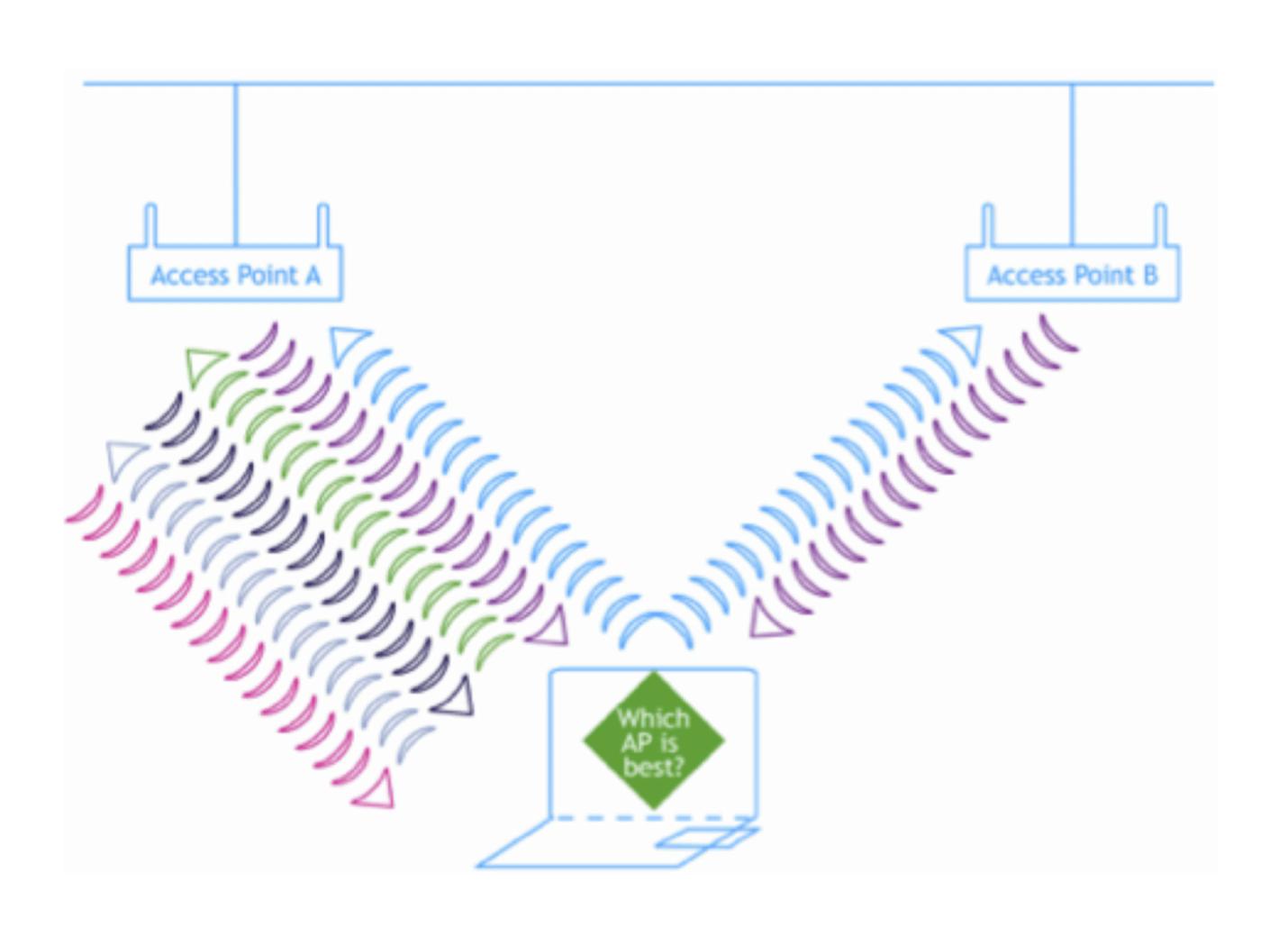
Troubleshooting Process Steps



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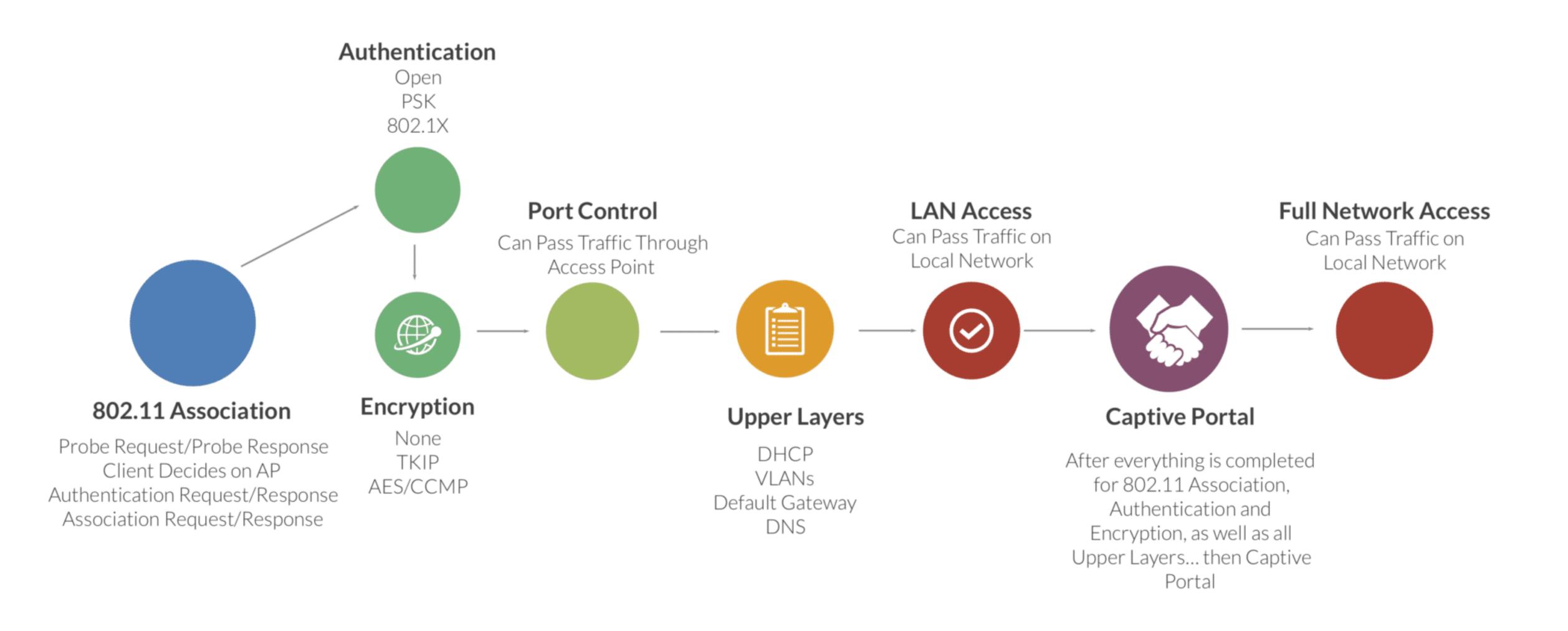
"Green Diamond" Association/Roaming Algorithms





- SSID
- RSSI
- SNR
- Authentication Method
- Channel Switch Announcements
- De-Authentication Frame
- Dis-Association Frame
- Encryption Methods
- Error Ratios
- Heuristics
- Internal Lists White/Grey/Black
- MCS/Data Rate
- Minimum Basic Rate
- Supported Data Rates
- 802.11k, 802.11r, 802.11v

Wi-Fi Client Joining WLAN



Wired or Wireless Problem?

IP Address

Does target Wi-Fi Client Devices have an IP Address?

Ping Wi-Fi Client
 Can you Ping your Wi-Fi Client
 Device from the Wired Network?

MCS of Wi-Fi Client
 Is the MCS of Wi-Fi client showing stress
 MCS 5-9 means 64-QAM or Better
 MCS of <5 means difficulty over RF



Isolated?

Is the issues isolated to only Wi-Fi
devices or across network
Especially check network services

Compare Throughputs

Compare Wi-Fi connection data

Both from the Client's point of view

as well as from the Access Points'

rate to Internet Speed Test

Check RSSI & SNR

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