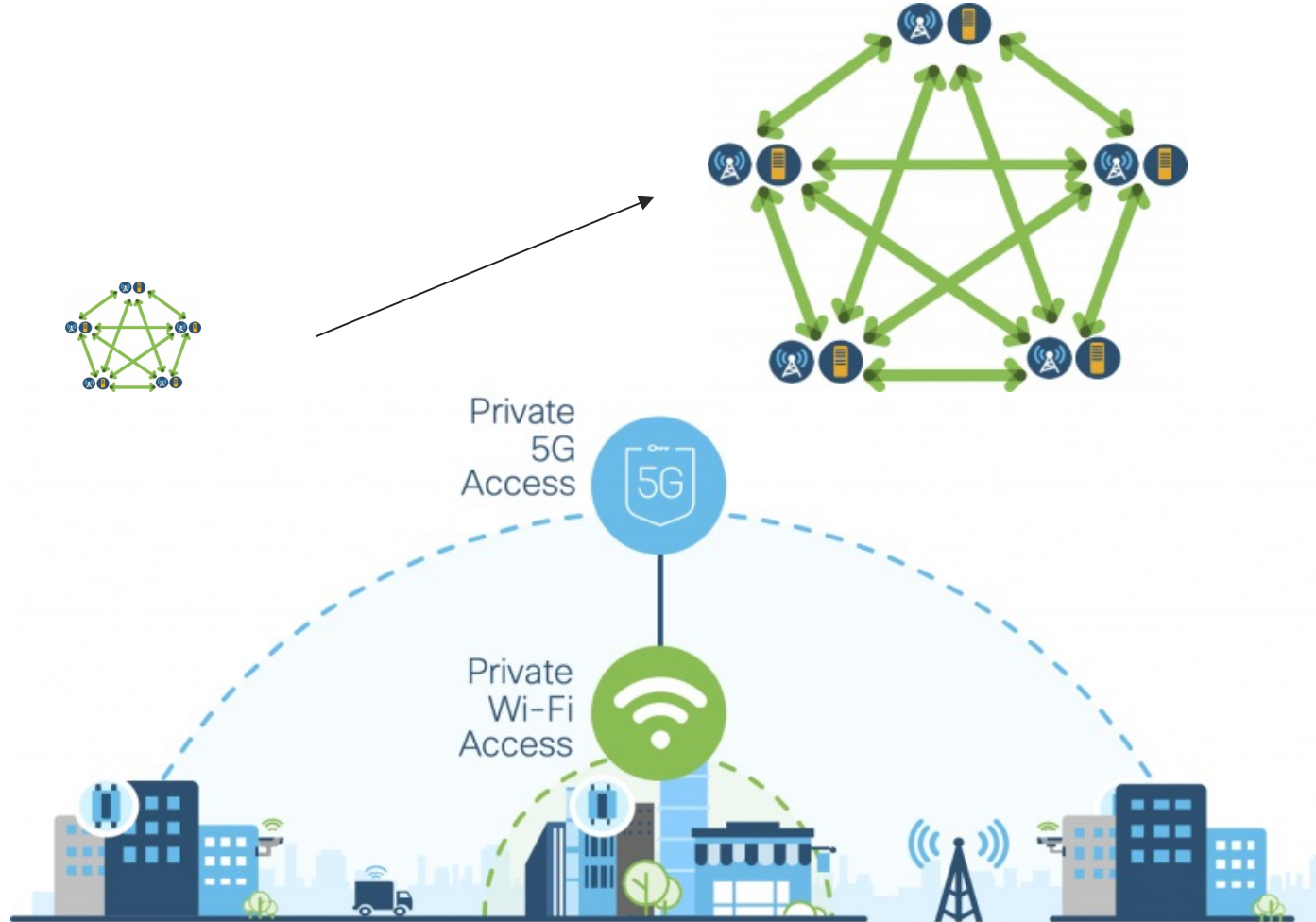




5G DRIVE



Simplify..

Hide Complexity

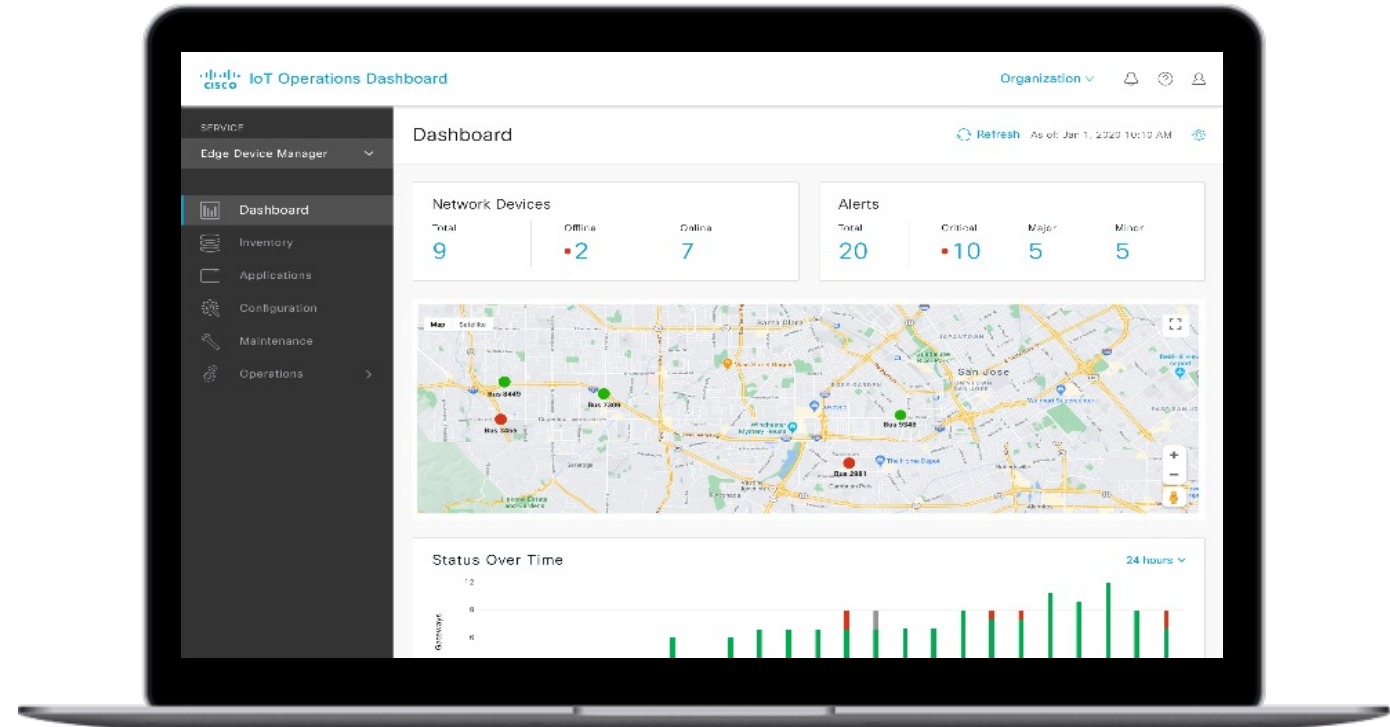
Data Privacy

Common Identity

Demystify 3GPP

As a Service

Access Agnostic

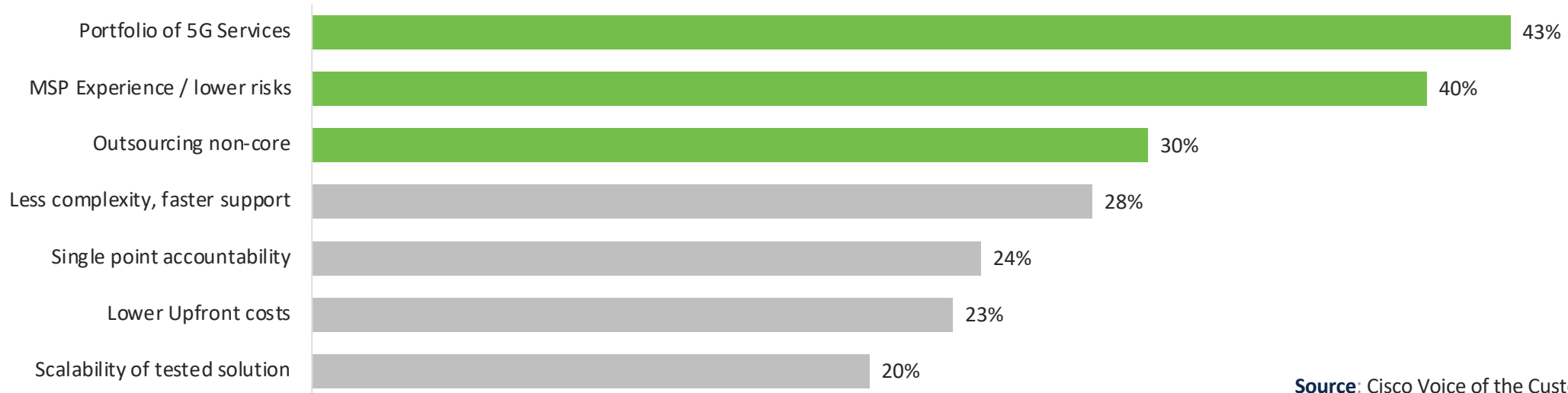


Most enterprise customers prefer to consume Private 5G as a (Managed) Service

How would end customers most likely purchase 5G value-added services?



Will purchase a full managed service, largely to leverage experience, lower risks and outsource



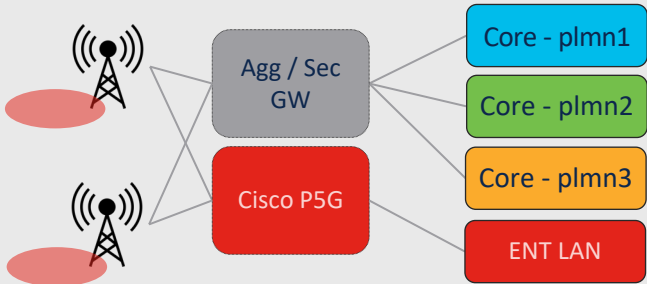
Source: Cisco Voice of the Customer Study

Share..

Dual profile: 1. Private plmn AND 2. public plmn
 Dual SIM: Private plmn AND public plmn
 eSIM: Private plmn OR any public plmn
SIM manipulation

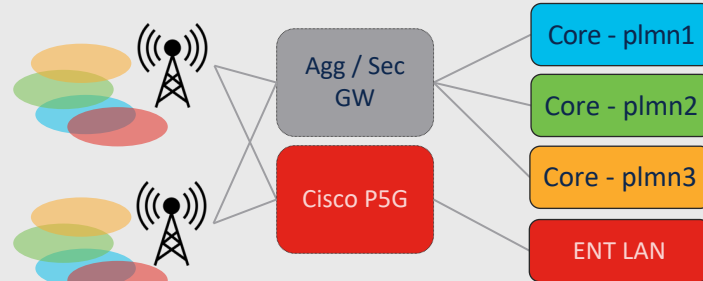
MOCN (MSP Integrated)

Public plmn 1,2,3, Private plmn



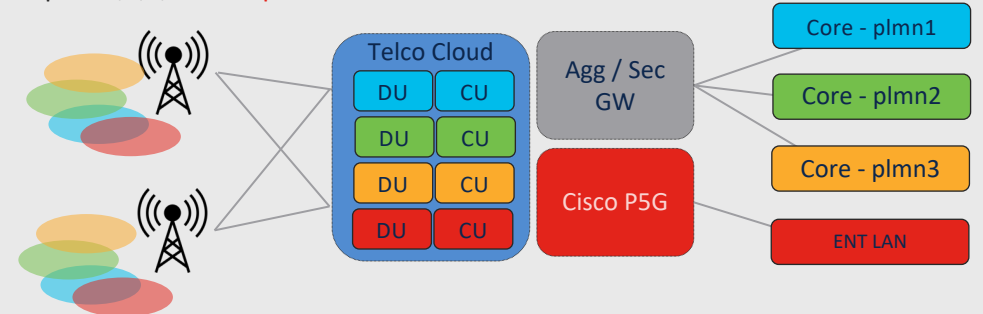
MORAN

Public plmn 1,2,3, Private plmn



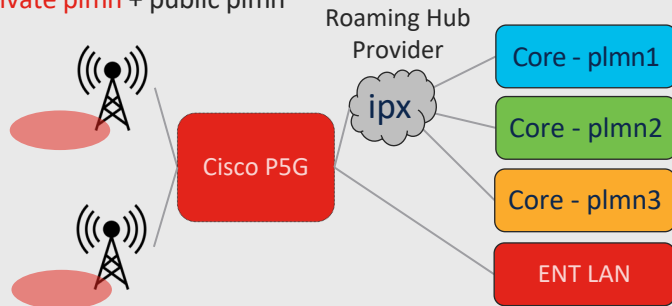
Neutral VRAN

Public plmn 1,2,3, Private plmn



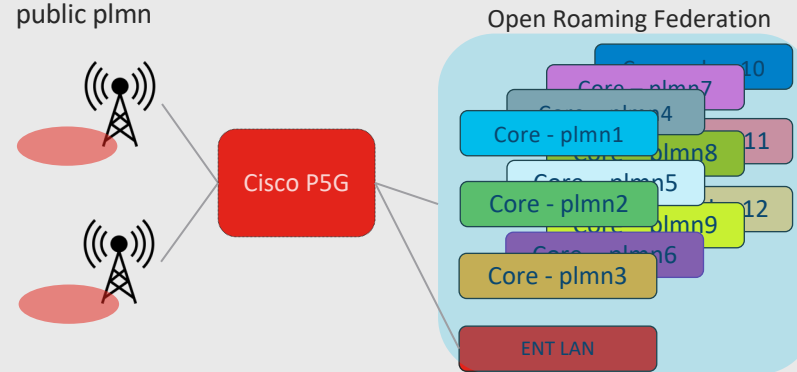
Roaming

Private plmn + public plmn



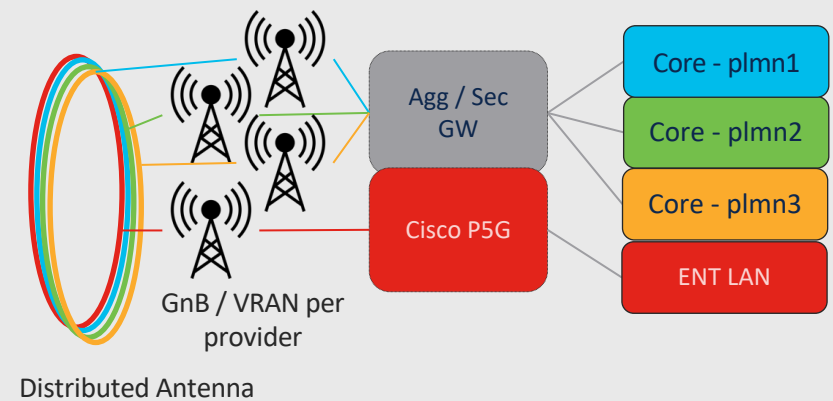
Open Roaming

Private plmn + public plmn

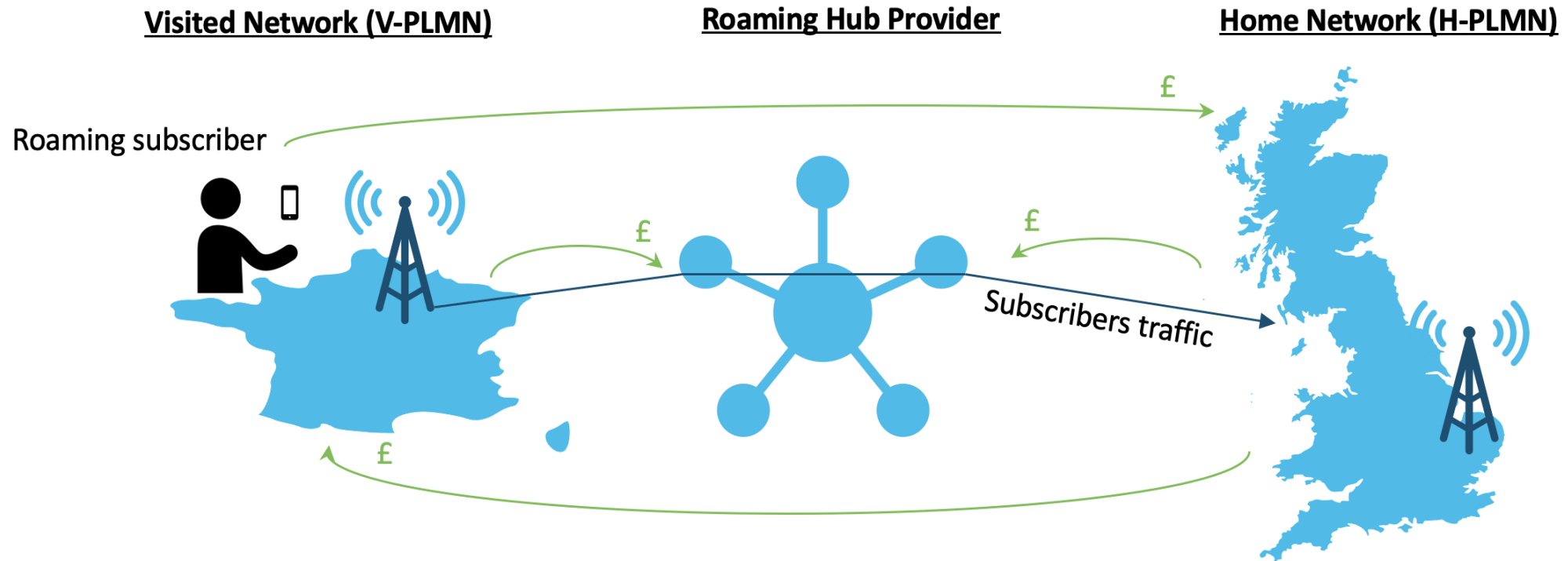


DAS

Public plmn 1,2,3, Private plmn



Roaming



Agrees to allow roamers
(H-PLMN customers)
onto its network

Scales Relationships
between mobile
operators

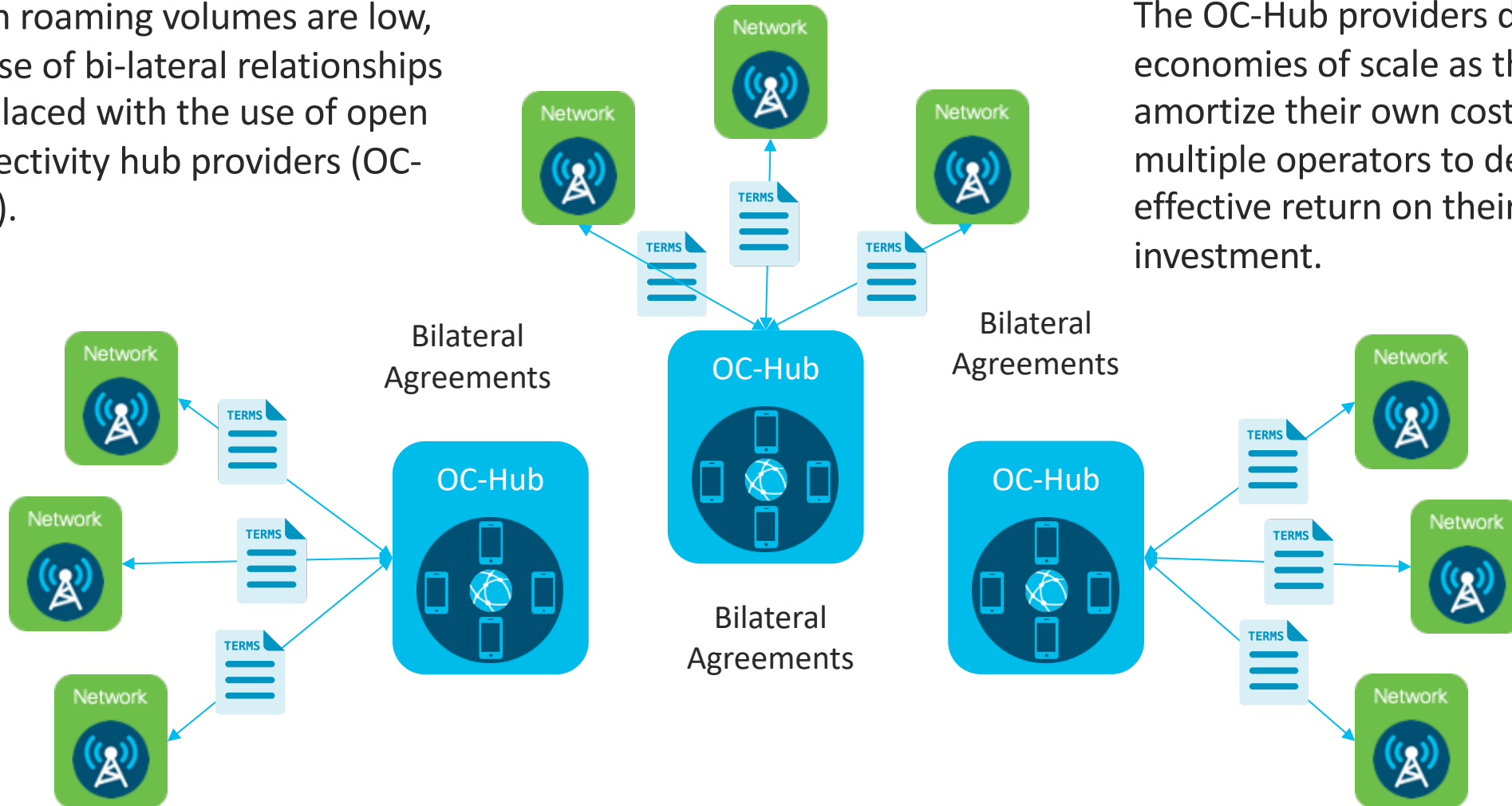


Has Billing
Relationship with
end-user

Conventional cellular roaming hub structure

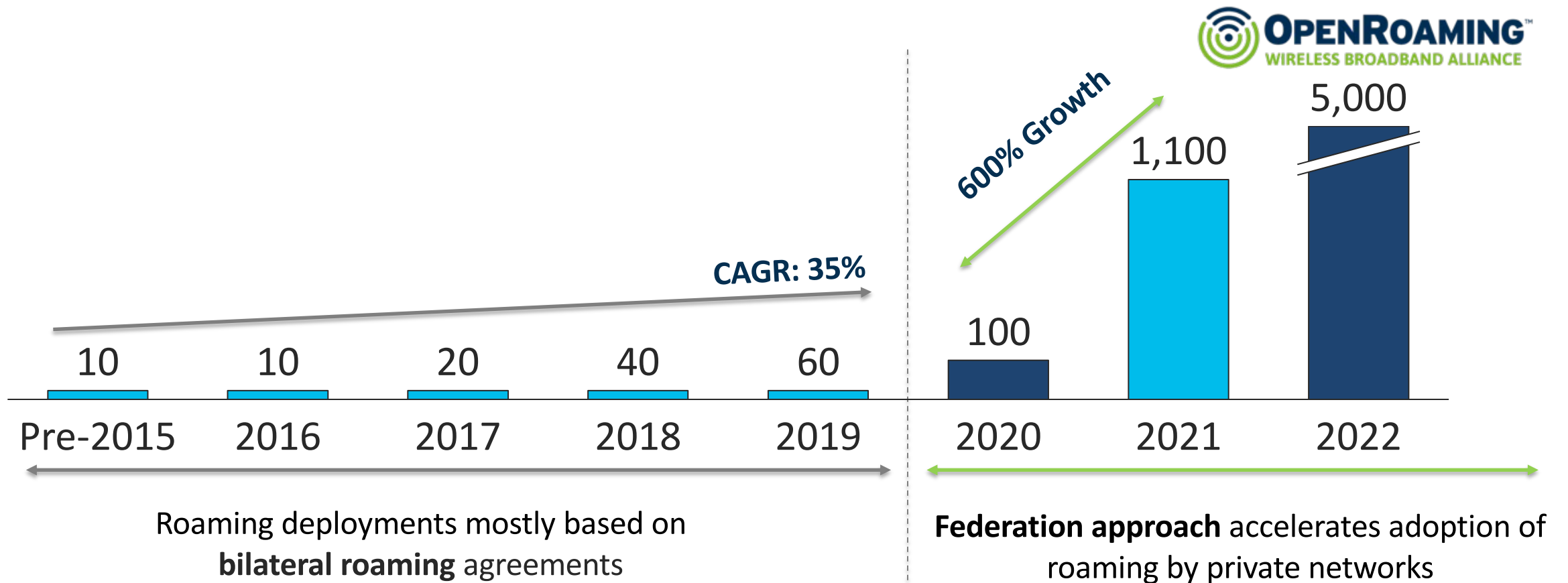
When roaming volumes are low, the use of bi-lateral relationships is replaced with the use of open connectivity hub providers (OC-Hubs).

The OC-Hub providers deliver economies of scale as they can amortize their own costs over multiple operators to deliver an effective return on their own investment.

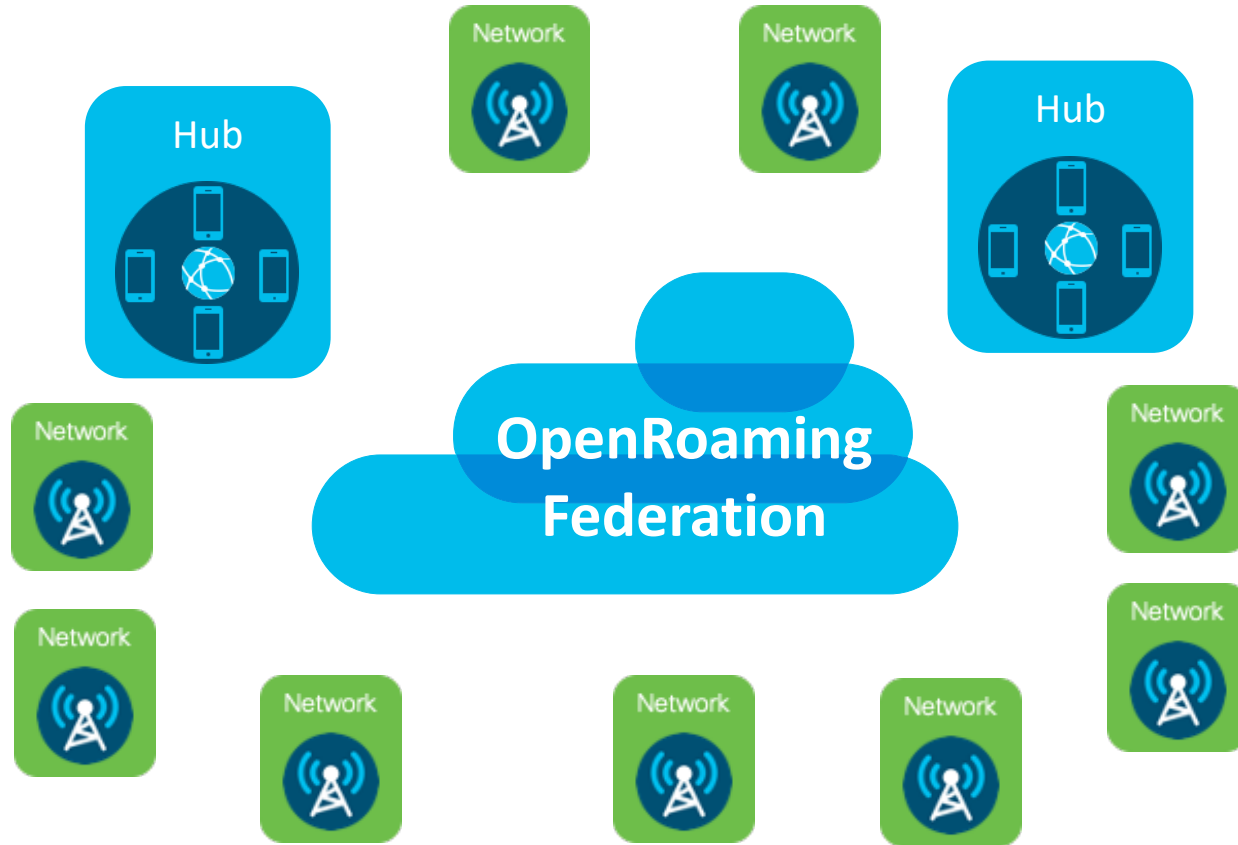


Roaming across private WiFi networks Accelerated by shift from bi-lateral to federation

WBA estimate of total number of individual private networks across verticals



Can we apply federation concepts to cellular roaming?



Federation defines legal terms

Enables scalable adoption of roaming across private 3GPP networks

DNS discovery of IDP's & PKI security - bypassing IR21 dB and IPX's

Legal Frameworks - bypassing roaming agreements and User agreements

Simplification of onboarding for ANP, IDP, and users

The Vision

Private & Public 5G networks will be interoperable, and interconnected.

Enterprise & SP Policies will easily enable & disable connectivity & hence movement of UEs between networks.

